

ENVIRONMENTAL SERVICE ASSISTANCE TEAMS - ZONE 2

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DATE: November 8, 1992

TO: Jerry Muth, Deputy Project Officer, USEPA Region 10
Joe Blazevich, Task Monitor, USEPA Region 10
Monica Rolluda, USEPA Project Officer

FROM: *Gerald H. Dodo*, ESAT Data Reviewer

THROUGH: Barry Pepich, ESAT Team Manager

SUBJECT: Data Validation Report of Semivolatile Analyses of Soil Samples from Avery Railroad Dump, Avery ID

TID NO. 10-9209-203

DOCUMENT NO: ESAT-10-A-5553

CC: Bruce Woods, USEPA
Kara Stewart, URS

The data validation of 20 soil samples collected from the Avery Railroad site has been completed. These samples were analyzed for semi-volatile target analytes using SW-846 Method 8270, 3rd ed., with some modifications by the USEPA Region 10 laboratory in Manchester, WA. The sample extracts were processed through gel permeation chromatography (GPC) followed by the use of alumina columns to split the extracts into polar and non-polar fractions. The use of alumina was used as a means to remove oil type interferences expected to be in the extracts. Each fraction was analyzed separately using gas chromatography/mass spectrometry (GC/MS). The sample results were reported in this memo as a total of the two fractions. This data validation was conducted for the following samples listed by EPA sample codes:

92352358	92352359	92352360	92352361	92352362
92352363	92352364	92352365	92352366	92352367
92352368	92352369	92352370	92352371	92352372
92352373	92352374	92352375	92352376	92352377



DATA QUALIFICATIONS

The following comments refer to the laboratory performance in meeting the Quality Control Specifications outlined in the "National Functional Guidelines for Organic Data Review - 6/91 (Draft)".

The conclusions presented herein are based on the information provided for the review.

1. Timeliness - Acceptable

The chain of custody sheet did not indicate that the samples were preserved prior to shipment.

All of the samples were extracted within the Functional Guidelines recommended holding time for soil samples (14 days from sample collection). Extracts were analyzed within 40 days from extraction.

Listed below are pertinent sample collection, receipt, preparation, and analysis dates.

<u>Sample Number</u>	<u>Sample Date</u>	<u>Rec'd. Date</u>	<u>Extract. Date</u>	<u>Analysis Date *</u>
92352358 **	08/25/92	08/28/92	09/03/92	10/09/92
92352359 **	08/25/92	08/28/92	09/03/92	10/09/92
92352360	08/25/92	08/28/92	09/03/92	10/05/92
92352361	08/25/92	08/28/92	09/03/92	10/05/92
92352362	08/25/92	08/28/92	09/03/92	10/05/92
92352363	08/25/92	08/28/92	09/03/92	10/07/92
92352364	08/26/92	08/28/92	09/03/92	10/06/92
92352365	08/26/92	08/28/92	09/03/92	10/05/92
92352366	08/26/92	08/28/92	09/03/92	10/09/92
92352367	08/26/92	08/28/92	09/03/92	10/06/92
92352368	08/26/92	08/28/92	09/03/92	10/06/92
92352369	08/26/92	08/28/92	09/03/92	10/09/92
92352370	08/26/92	08/28/92	09/03/92	10/06/92
92352371	08/26/92	08/28/92	09/03/92	10/06/92
92352372	08/26/92	08/28/92	09/03/92	10/06/92
92352373	08/26/92	08/28/92	09/03/92	10/06/92
92352374	08/26/92	08/28/92	09/03/92	10/07/92
92352375	08/26/92	08/28/92	09/03/92	10/07/92
92352376	08/26/92	08/28/92	09/03/92	10/06/92
92352377	08/26/92	08/28/92	09/03/92	10/06/92

* - Latest analysis date.

** - Described in the laboratory log-in form as a sludge. Sample contained a high amount of oil according to the laboratory.

2. GC/MS Tuning - Acceptable

Two GC/MS systems were used in the analysis of the polar and non-polar fractions of the sample extracts. One system was used for the analysis of all polar fractions while the other was used for the non-polar fractions. Tuning checks were performed at the beginning of each analysis day and instrument. The data presented on each GC/MS Tuning and Mass Calibration form was compared with each mass listing, and raw data.

Calculations and transcriptions were correct. Tuning and performance criteria were met.

3. Initial Calibration

Initial calibration of the instrument used for analysis of the polar fractions was performed on 01/17/92. The initial calibration of the instrument used for analysis of the non-polar fractions was performed on 01/28/92. The calculations were verified to be correct with the raw data. The minimum relative response factor (RRF) requirement and the percent relative standard deviations (%RSDs) criteria of $\leq 30\%$ were met by the target compounds and surrogates except for the following:

Polar Fractions

01/17/92

<u>Compound</u>	<u>%RSD</u>
benzoic acid	31
2,4-dinitrophenol	51
4,6-dinitro-2-methylphenol	33
N-nitrosodiphenylamine	35
9h-carbazole	34
di-n-octylphthalate	33

Non-Polar Fractions

01/28/92

<u>Compound</u>	<u>%RSD</u>
3-nitroaniline	37
9h-carbazole	35

The sample results for the respective fractions and compounds listed above were qualified as estimates, J/UJ.

4. Continuing Calibration

The continuing calibration standards met the criteria for frequency of analysis and RRT windows for all target compounds and surrogates.

The RRF percent differences (%Ds) criteria of $\leq 25\%$ as compared to the mean RRFs from the initial calibration and the minimum RRF criteria of ≥ 0.05 were met with exception of the following:

Polar Fractions

<u>Analysis Date</u>	<u>Compound</u>	<u>%D</u>	<u>RRF</u>	<u>Qualifier Applied</u>	
				<u>Det.</u>	<u>Non-Det.</u>
10/05/92	bis(2-chloroisopropyl)ether	-29.4	J	UJ	
	N-nitroso-di-n-propylamine	-28.0	J	UJ	
	4-chloroaniline	-34.3	J	UJ	
	3-nitroaniline	-85.9	0.02	J	R
	2,4-dinitrotoluene	31.5	J		
	4-nitroaniline	32.5	J		
	9h-carbazole	-75.2	J	UJ	
	bis-2-ethylhexylphthalate	26.5	J		
10/06/92	bis(2-chloroisopropyl)ether	-29.3	J	UJ	
	N-nitroso-di-n-propylamine	-26.6	J	UJ	
	4-chloroaniline	62.7	J		
	hexachlorocyclopentadiene	-33.5	J	UJ	
	3-nitroaniline	-53.1	J	UJ	
	2,4-dinitrotoluene	31.2	J		
	4-nitroaniline	52.4	J		
	N-nitrosodiphenylamine	40.9	J		
	bis(2-ethylhexyl)phthalate	30.9	J		
10/07/92	benzo(k)fluoranthene	-25.2	J	UJ	
	4-chloro-3-methylphenol	35.7	J		
	hexachlorocyclopentadiene	-28.6	J	UJ	
	3-nitroaniline	-65.6	J	UJ	
	4-nitrophenol	41.8	J		
	2,4-dinitrotoluene	32.1	J		
	4-nitroaniline	38.9	J		
	butylbenzylphthalate	46.1	J		
	bis(2-ethylhexyl)phthalate	49.5	J		
10/09/92	4-chloroaniline	72.4	J		
	4-chloro-3-methylphenol	39.5	J		
	hexachlorocyclopentadiene	-43.8	J	UJ	
	3-nitroaniline	-49.2	J	UJ	
	2,4-dinitrophenol	34.8	J		
	4-nitrophenol	48.4	J		
	2,4-dinitrotoluene	31.2	J		
	4-nitroaniline	64.3	J		
	N-nitrosodiphenylamine	44.5	J		
	pentachlorophenol	37.1	J		
	butylbenzylphthalate	31.2	J		

	bis(2-ethylhexyl)phthalate	38.7	J	
	benzo(k)fluoranthene	-29.7	J	UJ
	indeno(123-cd)pyrene	31.1	J	
10/13/92	bis(2-chloroisopropyl)ether	-37.7	J	UJ
	hexachlorocyclopentadiene	-36.2	J	UJ
	2-nitroaniline	-33.5	J	UJ
	3-nitroaniline	-61.7	J	UJ
	4-nitrophenol	41.8	J	
	hexachlorobenzene	-26.2	J	UJ
	pentachlorophenol	30.0	J	
	9h-carbazole	-40.6	J	UJ
	butylbenzylphthalate	28.2	J	
	bis(2-ethylhexyl)phthalate	39.7	J	

Non-Polar Fractions

<u>Analysis Date</u>	<u>Compound</u>	<u>%D</u>	<u>RRF</u>	<u>Qualifier Applied</u>	
				<u>Det.</u>	<u>Non-Det.</u>
10/01/92	phenol	-41.4	J	UJ	
	2-chlorophenol	-27.5	J	UJ	
	benzyl alcohol	-96.5 0.03	J	R	
	2-methylphenol	-26.8	J	UJ	
	bis(2-chloroisopropyl)ether	37.5	J		
	4-methylphenol	-41.9	J	UJ	
	nitrobenzene	-27.8	J	UJ	
	benzoic acid	-52.5	J	UJ	
	4-chloro-3-methylphenol	-29.0	J	UJ	
	2,4,6-trichlorophenol	-45.5	J	UJ	
	2,4,5-trichlorophenol	-53.4	J	UJ	
	2,4-dinitrophenol	-51.9	J	UJ	
	4-nitrophenol	-35.8	J	UJ	
	4,6-dinitro-2-methylphenol	-41.2	J	UJ	
	pentachlorophenol	-66.7	J	UJ	
	9h-carbazole	-32.7	J	UJ	
	3,3'-dichlorobenzidine	-33.1	J	UJ	
	benzo(ghi)perylene	-26.8	J	UJ	
10/02/92	bis(2-chloroisopropyl)ether	34.5	J		
	2,4-dimethylphenol	-26.3	J	UJ	
	benzoic acid	-44.1	J	UJ	
	3-nitroaniline	-35.4	J	UJ	
	2,4-dinitrophenol	-46.2	J	UJ	
	4-nitrophenol	-42.5	J	UJ	
	4,6-dinitro-2-methylphenol	-39.9	J	UJ	

	pentachlorophenol	-31.7	J	UJ
	9h-carbazole	-30.0	J	UJ
10/05/92	bis(2-chloroisopropyl)ether	28.8	J	
	benzoic acid	-46.0	J	UJ
	2,4-dinitrophenol	-47.5	J	UJ
	4-nitrophenol	-26.4	J	UJ
	4-nitroaniline	-32.1	J	UJ
	4,6-dinitro-2-methylphenol	-45.8	J	UJ
	N-nitrosodiphenylamine	29.2	J	
10/06/92	bis(2-chloroisopropyl)ether	46.5	J	
	benzoic acid	-28.4	J	UJ
	4-chloroaniline	30.7	J	
	2,4-dinitrophenol	-41.1	J	UJ
	4,6-dinitro-2-methylphenol	-32.0	J	UJ
	N-nitrosodiphenylamine	44.6	J	
	hexachlorobenzene	-26.6	J	UJ
10/07/92	benzyl alcohol	-40.2	J	UJ
	bis(2-chloroisopropyl)ether	56.7	J	
	benzoic acid	-46.0	J	UJ
	4-chloroaniline	54.2	J	
	hexachlorocyclopentadiene	-33.6	J	UJ
	2,4,6-trichlorophenol	-30.3	J	UJ
	2,4,5-trichlorophenol	-29.1	J	UJ
	2,4-dinitrophenol	-65.8	J	UJ
	4-nitrophenol	-53.8	J	UJ
	2,4-dinitrotoluene	-29.2	J	UJ
	4-nitroaniline	-52.9	J	UJ
	4,6-dinitro-2-methylphenol	-49.7	J	UJ
	N-nitrosodiphenylamine	50.6	J	
	4-bromophenylphenylether	-26.5	J	UJ
	hexachlorobenzene	-32.6	J	UJ
	pentachlorophenol	-45.2	J	UJ
	di-n-octylphthalate	41.5	J	
10/08/92	benzyl alcohol	-26.2	J	UJ
	bis(2-chloroisopropyl)ether	37.8	J	
	benzoic acid	-26.4	J	UJ
	hexachlorobutadiene	-27.5	J	UJ
	hexachlorocyclopentadiene	-28.6	J	UJ
	2,4,5-trichlorophenol	-26.7	J	UJ
	2,4-dinitrophenol	-34.2	J	UJ
	4-chlorophenylphenylether	-30.6	J	UJ
	4,6-dinitro-2-methylphenol	-33.3	J	UJ
	N-nitrosodiphenylamine	38.7	J	
	hexachlorobenzene	-27.2	J	UJ

bis(2-ethylhexyl)phthalate	28.9	J
di-n-octylphthalate	50.0	J

Sample results associated with the above compounds and continuing calibrations were qualified accordingly. For compounds with RRFs not meeting the %D criteria but indicate an increase in sensitivity, no qualifiers were applied to non-detected results.

5. Internal Standards Performance

The data reported on the Internal Standard Area Summary form was verified with the raw data. Chromatograms, quantitation lists, and transcriptions were examined.

The analyses met the acceptance criterion for the internal standard (IS) retention time shift (± 30 seconds from the associated continuing calibration standard) and area count criteria (-50% to +100% of the area of the associated calibration standard) with the following exceptions:

Polar Fractions

<u>Sample</u>	<u>Internal Standard</u>
92352358	perylene-d12

Non-Polar Fractions

<u>Sample</u>	<u>Internal Standard</u>
92352358	chrysene-d12
	perylene-d12
92352359	phenanthrene-d10

All analysis results associated with the above samples and internal standards were qualified as estimates, J/UJ.

6. Compound Identification

The chromatograms and quantitation lists were inspected. Sample and laboratory generated standard spectra were examined. Positive sample results reported on the Form Is were within relative retention time (RRT) windows. Sample spectra not quite meeting the Functional Guidelines matching criteria but containing the quantitation and other secondary ions were qualified with an N, a strong but not certain indication that the compound is present.

Samples 92352358 and 92352359 non-polar fraction analyses resulted with spectra containing hydrocarbon like patterns for detected compounds such as the polynuclear aromatic hydrocarbons (PAHs). This caused most of the reported PAHs for these samples to fail the spectral matching criteria despite using background subtraction and enhancement techniques.

Most of the PAH results were qualified as N for these samples or JN if previously qualified as estimates.

7. Compound Quantitation and Quantitation Limits - Acceptable

The raw data was examined to verify the calculations of sample results and the reported detection limits. The reviewer calculated QLs using the lower calibration standards from the associated initial calibration were slightly lower than that reported on the Form Is. Based on the laboratory's experience, the reported QLs are more conservative and realistic with regards to soil analyses. Detected sample results less than the QL were qualified by the laboratory as estimates.

All sample results were calculated against an updated daily continuing calibration standard. No errors were determined.

The results from the polar and non-polar fractions analyses were combined to produce the total results for each sample using the following guidelines:

- a. Detected results were combined or replaced non-detected results as the total. If one of the two results was qualified as an estimate, J, the total was considered an estimate also.
- b. If one of two detected results to be combined was qualified with an N, the total result was qualified as an estimate since at least one of the detected results was confirmed.
- c. If both results were non-detected, the higher QL was applied to the total result as a conservative measure. From the MS/MSD results (see Matrix Spike/Matrix Spike Duplicate section), it is still uncertain as to which fraction each compound was expected to partition to for these sample analyses.

The modified Form Is containing the total results for each sample are attached to this memo as the total results for these analyses.

8. Blanks

The frequency of analysis of the method blank was met. Two separate batches of alumina were used during the sample preparation. A method blank and duplicate was prepared using each batch. The polar and non-polar fraction analysis results for the blanks were combined to give a total result that was compared to the total result for each sample. Blank results were associated with samples prepared using the same alumina batch.

The blanks prepared using the first alumina batch, BS2247 and BS2247D, contained the following target compounds which required that the quantitation limits (QL) be increased for associated sample analyses:

<u>Compound</u>	Conc. ppb *	New QL (ppb)
phenol	82	410
diethylphthalate	6	60
di-n-butylphthalate	270	2700
butylbenzylphthalate	11	110
bis(2-ethylhexyl)phthalate	820	8200
di-n-octylphthalate	59	590

* - The higher concentration between the blank duplicates are listed.

The associated samples prepared using the first alumina batch are 92352360, 92352361, 92352362, 92352363, 92352364, 92352365, 92352367, 92352368, 92352370, 92352371, 92352372, 92352373, 92352374, 92352376, and 92352377.

The blanks prepared using the second alumina batch, BS2246 and BS2246D, contained the following target compounds which required that the quantitation limits (QL) be increased for associated sample analyses:

<u>Compound</u>	Conc. ppb	New QL (ppb)
phenol	33	170
bis(2-chloroisopropyl)ether	8	40
isophorone	540	2700
N-nitrosodiphenylamine	12	60
di-n-butylphthalate	44	440
pyrene	9	45
bis(2-ethylhexyl)phthalate	56	560
di-n-octylphthalate	3	30
naphthalene	4	20
phenanthrene	6	30

* - The higher concentration between the blank duplicates are listed.

The associated samples prepared using the second alumina batch are 92352358, 92352359, 92352366, 92352369, and 92352375.

Associated detected sample results less than the increased quantitation limits for the above compounds were qualified as non-detected, U, with the reported QL at the sample concentration or at the initial QL, whichever is greater.

Tentatively identified compounds (TICs) were not present in BS2246 and BS2246D to any significant degree. TICs were present in BS2247 and BS2247D; however, based on spectra

and retention times, did not appear to be present in the TICs found in the associated sample analyses results.

9. Surrogate Recovery

The surrogate recoveries were evaluated on a total polar and non-polar fraction analysis results basis for each sample. The Functional Guidelines allows for one surrogate per fraction to be out of criteria but above 10% recovery without qualification.

The following samples resulted with more than one surrogate per fraction out of criteria and/or a recovery <10%:

<u>Sample</u>	<u>Surrogate</u>	<u>% Rec.</u>
92352358	2-fluorobiphenyl	185
	terphenyl-d14	172
92352360	phenol-d5	5
92352361	phenol-d5	0
92352366	phenol-d5	17
	2-fluorophenol	12
92352367	phenol-d5	0
92352368	phenol-d5	0
92352371	nitrobenzene-d5	18
	2-fluorobiphenyl	24
	phenol-d5	17
	2-fluorophenol	24
92352372	phenol-d5	19
	2-fluorophenol	17
92352376	phenol-d5	8
	2-fluorophenol	17

As a result of the above recoveries, the following qualifiers were applied to the total associated semi-volatile fractions results:

<u>Sample</u>	<u>Fraction Qualified</u>	<u>Qualifier Applied</u>	
		<u>Det.</u>	<u>Non-det.</u>
92352358	base/ neutrals	J	
92352360	acids	J	R
92352361	acids	J	R
92352366	acids	J	UJ
92352367	acids	J	R
92352368	acids	J	R
92352371	acids, base/ neutrals	J	UJ
92352372	acids	J	UJ
92352376	acids	J	R

In cases where the total sample data was previously qualified as estimates, the R qualifier (rejected) is always of higher precedence.

10. Matrix Spike/Matrix Spike Duplicate

The frequency of analysis of matrix spike and matrix spike duplicates (MS/MSD) was met. An MS/MSD pair was prepared using sample 92352359 which was one of the soils with a high oil content. Portions of this extract was applied to both alumina batches after the GPC procedure. An MS/MSD pair was also prepared using sample 92352371 which was expected to be representative of the other soil samples. This extract was applied to only the first alumina batch. The MS/MSD results were evaluated on a total polar and non-polar fraction analysis results basis.

In general, MS/MSD analyses using sample 92352359 resulted with poor recoveries using either alumina batches. Using the first alumina batch resulted with 20 of 98 base/ neutrals and 18 of 30 acids spike recovery results equal to 0%. Using the second alumina batch resulted with 47 of 98 base/ neutrals and 30 of 30 acids spike recovery results equal to 0%.

MS/MSD analyses using sample 92352371 resulted in better recoveries overall. Only 2 of 98 base/ neutrals resulted with 0% recovery, however, 16 of 30 acids resulted with 0% recovery.

The spiked acids were not recovered well with either sample or alumina batches. The spiked base/ neutrals were recovered better from sample 92352371 but it is uncertain whether this is representative of the performance for all the soil analyses. The base/ neutral organics were found in both the polar and non-polar fractions, which suggests the alumina columns may have been overloaded.

No qualifiers were applied on the sample data based on the MS/MSD performance; however, this section is further addressed in the following sections.

11. Tentatively Identified Compounds

All TIC results were qualified as tentatively identified estimates, JN. A majority of the TICs are hydrocarbon like compounds which is consistent with the observed presence of oil in the samples.

The TIC results were kept separate by polar and non-polar fractions analyses due to the tentative identification nature of the data.

12. System Performance - Acceptable

All of the standards, blanks and samples were analyzed in accordance with the method.

13. Laboratory Contact

The laboratory was contacted for this review to further understand the logic and methods used for the analysis of these samples.

14. Overall Assessment

Greater than 20% of the sample results were qualified based on the performance for initial calibration, continuing calibration, internal standard areas, and surrogate recoveries. This is exceptionally high and is likely due to the difficult matrix. The extract clean-up methods applied by the laboratory were not always successful.

The MS/MSD recovery results indicates that the preparation method used for these samples may not have been adequate and may be the cause for the generally low recoveries of the acids fraction.

The oil content still present in the final extracts prevented positive identification of several PAHs for samples 92352358 and 92352359 despite being measured well above the laboratory QL. This suggests that the alumina columns used were overloaded.

It is likely that for future analyses of samples like 92352358 and 92352359, the alumina or other clean-up methods needs to be further developed at the laboratory.

DATA QUALIFIER DEFINITIONS

U- The analyte was analyzed for and is not present above the level of the associated value. The associated numerical value indicates the approximate concentration necessary to detect the analyte in this sample.

J- The analyte was analyzed for and was positively identified, but the associated numerical value may not be consistent with the amount actually present in the environmental sample. The data should be seriously considered for decision making and are usable for many purposes.

A subscript may be appended to the "J" that indicates which of the following quality control criteria were not met:

- 1** Blank contamination: indicates possible high bias and/or false positives.
- 2** Calibration range exceeded: indicates possible low bias.
- 3** Holding times not met: indicates low bias for most analytes with the exception of common laboratory contaminants and chlorinated ethenes (i.e.: trichloroethene, 1,1-dichloroethene, vinyl chloride).
- 4** Other QC outside control limits: bias not readily determined.

R- The data are unusable for all purposes. The analyte was analyzed for, but the presence or absence of the analyte has not been verified.

Resampling and reanalysis are necessary to confirm or deny the presence of the analyte.

UJ - A combination of the "U" and "J" qualifier. The analyte was analyzed for and was not present above the level of the associated value. The associated numerical value may not accurately or precisely represent the concentration necessary to detect the analyte in this sample.

If a decision requires quantitation of the analyte close to the associated numerical level, reanalysis or alternative analytical methods should be considered.

N- The analysis indicates that an analyte is present, and there are strong indications that the identity is correct.

Confirmation of the analyte requires further analysis.

JN- A combination of the "J" and the "N" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

A subscript may be appended to the "JN" that indicates which of the following situations applies:

- 1** Interference from other sample components.
- 2** Non-Target Compound List (TCL) compounds (Confirmation is necessary using specific target compound methodology to accurately determine the concentration and identity of the detected compound).
- 3** A confirmation analysis was missing or quality control criteria were not met for the confirmation analysis.

NOTE: Data users are encouraged to contact their Regional representative within ESD to clarify or obtain further information on the appropriate use of analytical data.

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352358

Description: ORS01

Source: Sludge (Waste Pond)

Begin Date: 92/08/25 12:00

B/N/Acid Scan	Sediment Result	Units	B/N/Acid Scan	*** Continued ***	Sediment Result	Units	Tent Ident - B/N/Aci	Sediment	*** Continued ***	Result	Units
Benzo(a)pyrene	1700NJ*	ug/kg	Di-n-Octyl Phthalate		5400U	ug/kg	UNKNOWN HYDROCARBON #6	130000NJ*	ug/kg		
2,4-Dinitrophenol	71000UJ	ug/kg	Hexachlorobenzene		5400UJ	ug/kg	1,1'-BIPHENYL, 2-ETHYL-	41000NJ*	ug/kg		
Dibenzo(a,h)anthracene	14000UJ	ug/kg	Anthracene		5400U	ug/kg	NAPHTHALENE, 1,4,6-TRI+	170000NJ*	ug/kg		
Benzo(a)anthracene	34000NJ*	ug/kg	1,2,4-Trichlorobenzene		5400U	ug/kg	NAPHTHALENE, 1,6,7-TRI+	170000NJ*	ug/kg		
4-Chloro-3-Methylphenol	28000U	ug/kg	2,4-Dichlorophenol		5400U	ug/kg	NAPHTHALENE, 1-(2-PROP+	140000NJ*	ug/kg		
Benzoic acid	71000U	ug/kg	2,4-Dinitrotoluene		14000UJ	ug/kg	9H-FLUORENE, 2,3-DIMET+	46000NJ*	ug/kg		
Hexachloroethane	5400U	ug/kg	Pyrene		15000J*	ug/kg	UNKNOWN HYDROCARBON 1	340000NJ*	ug/kg		
Hexachlorocyclopentadi+	28000UJ	ug/kg	Dimethylphthalate		5400U	ug/kg	UNKNOWN COMPOUND 1	10000NJ*	ug/kg		
Isophorone	5400U	ug/kg	Dibenzofuran		5400U	ug/kg	BENZENE, 1-METHYL-3-(2+	100000NJ*	ug/kg		
Acenaphthene	13000J*	ug/kg	Benzo(ghi)perylene		5400UJ	ug/kg	1-INDANONE, 5,6-DIMETH+	4200NJ*	ug/kg		
Diethylphthalate	5400U	ug/kg	Indeno(1,2,3-cd)pyrene		5400UJ	ug/kg	1,3-DIOXOLANE-2-PROPAN+	7300NJ*	ug/kg		
Di-n-Butylphthalate	590NJ*	ug/kg	Benzo(b)fluoranthene		4100JN*	ug/kg	3-HEXADECENE, (Z)-	2700NJ*	ug/kg		
Phenanthrone	14000N*	ug/kg	Fluoranthene		6000N*	ug/kg	HEPTADECANE, 2,6-DIMET+	90100NJ*	ug/kg		
Butylbenzylphthalate	14000UJ	ug/kg	Benzo(k)fluoranthene		5400UJ	ug/kg	3,5-OCTADIENE, 4,5-DIE+	10000NJ*	ug/kg		
N-Nitrosodiphenylamine	71000UJ	ug/kg	Acenaphthylene		5400U	ug/kg	IRON, TRICARBONYL[N-PH+]	12000NJ*	ug/kg		
Fluorene	22000N*	ug/kg	Chrysene		6200 *	ug/kg					
Carbazole	28000UJ	ug/kg	Retene		13000N*	ug/kg					
Hexachlorobutadiene	14000U	ug/kg	4,6-Dinitro-2-methylph+		71000UJ	ug/kg					
Pentachlorophenol	28000UJ	ug/kg	1,3-Dichlorobenzene		5400U	ug/kg					
2,4,6-Trichlorophenol	14000UJ	ug/kg	2,6-Dinitrotoluene		14000U	ug/kg					
2-Nitroaniline	14000U	ug/kg	N-Nitroso-di-n-Propylat		5400U	ug/kg					
2-Nitrophenol	14000U	ug/kg	4-Chlorophenyl-phenyle+		5400UJ	ug/kg					
Naphthalene, 1-Methyl-	10000N*	ug/kg	BIS(2OCHLOROISOPROPYL)+		5400U	ug/kg					
Naphthalene	5400U	ug/kg	Surrog: 2-Fluorobiphen+	185	%	Recov					
2-Methylnaphthalene	2700NJ*	ug/kg	Surrog: 2-Fluorophenol	45	%	Recov					
2-Chloronaphthalene	5400U	ug/kg	Surrog: D14-Terphenyl	172	%	Recov					
3,3'-Dichlorobenzidine	140000UJ	ug/kg	PYRENE-D10 (SS)	139	%	Recov					
2-Methylphenol	5400U	ug/kg	Surrog: D5-Nitrobenzene	113	%	Recov					
1,2-Dichlorobenzene	5400U	ug/kg	Surrog: D5-Phenol	90	%	Recov					
o-Chlorophenol (2-Chlo+	5400U	ug/kg									
2,4,5-Trichlorophenol	28000UJ	ug/kg									
Nitrobenzene	5400U	ug/kg									
3-Nitroaniline	71000UJ	ug/kg									
4-Nitroaniline	71000UJ	ug/kg									
4-Nitrophenol	71000UJ	ug/kg									
Benzyl Alcohol	28000UJ	ug/kg									
4-Bromophenyl-phenyle+	5400U	ug/kg	4-HYDROXY-4-METHYL PENT+	61000NJ*	ug/kg						
2,4-Dimethylphenol	5400U	ug/kg	3-PENTEN-2-ONE, 4-METH+	28000NJ*	ug/kg						
4-Methylphenol	5400U	ug/kg	NAPHTHALENE, 1-METHYL-+	160000NJ*	ug/kg						
1,4-Dichlorobenzene	5400U	ug/kg	2-PENTADECANONE, 6,10,+	5500NJ*	ug/kg						
4-Chloroaniline	71000U	ug/kg	1,1'-BIPHENYL, 2,2'-DI+	150000NJ*	ug/kg						
Phenol	5400U	ug/kg	1,1'-BIPHENYL, 2,4'-DI+	67000NJ*	ug/kg						
bis(2-Chloroethyl)Ether	5400U	ug/kg	UNKNOWN HYDROCARBON #2	590000NJ*	ug/kg						
bis(2-Chloroethoxy)Met+	5400U	ug/kg	UNKNOWN HYDROCARBON #3	430000NJ*	ug/kg						
BIS(2-ETHYLHEXYL) PHTH+	1300NJ*	ug/kg	UNKNOWN HYDROCARBON #4	450000NJ*	ug/kg						
			UNKNOWN HYDROCARBON #5	130000NJ*	ug/kg						

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352359

Description: ORS02

Source: Sludge (Waste Pond)

Begin Date: 92/08/25 12:00

B/N/Acid Scan	Sediment	B/N/Acid Scan	Sediment	B/N/Acid Scan	Sediment
	Result Units	*** Continued ***	Result Units	*** Continued ***	Matrix Spike #1 Result Units
Benzo(a)pyrene	700JN* ug/kg	Di-n-Octyl Phthalate	420J* ug/kg	Diethylphthalate	0.0001U % Recov
2,4-Dinitrophenol	70000UJ ug/kg	Hexachlorobenzene	5300UJ ug/kg	Di-n-Butylphthalate	44 % Recov
Dibenzo(a,h)anthracene	14000U ug/kg	Anthracene	5300UJ ug/kg	Phenanthrene	55 % Recov
Benzo(a)anthracene	5500N* ug/kg	1,2,4-Trichlorobenzene	5300U ug/kg	Butylbenzylphthalate	37 % Recov
4-Chloro-3-Methylphenol	28000U ug/kg	2,4-Dichlorophenol	5300U ug/kg	N-Nitrosodiphenylamine	0.001U % Recov
Benzoic acid	70000UJ ug/kg	2,4-Dinitrotoluene	14000U ug/kg	Fluorene	38 % Recov
Hexachloroethane	5300U ug/kg	Pyrene	10000N* ug/kg	Carbazole	0.0004UJ % Recov
Hexachlorocyclopentadi+	28000UJ ug/kg	Dimethylphthalate	5300U ug/kg	Hexachlorobutadiene	55J % Recov
Isophorone	5300U ug/kg	Dibenzofuran	5300U ug/kg	Pentachlorophenol	0.0004U % Recov
Acenaphthene	4000JN* ug/kg	Benzo(ghi)perylene	1200NJ* ug/kg	2,4,6-Trichlorophenol	0.0002UJ % Recov
Diethylphthalate	5300U ug/kg	Indeno(1,2,3-cd)pyrene	5300U ug/kg	2-Nitroaniline	25 % Recov
Di-n-Butylphthalate	5300UJ ug/kg	Benzo(b)fluoranthene	2200J* ug/kg	2-Nitrophenol	0.0002U % Recov
Phenanthrene	5300UJ ug/kg	Fluoranthene	5300UJ ug/kg	Naphthalene, 1-Methyl-	0.0001U % Recov
Butylbenzylphthalate	520J* ug/kg	Benzo(k)fluoranthene	5300UJ ug/kg	Naphthalene	74 % Recov
N-Nitrosodiphenylamine	70000UJ ug/kg	Acenaphthylene	5300U ug/kg	2-Methylnaphthalene	87 % Recov
Fluorene	5300U ug/kg	Retene	5300U ug/kg	2-Chloronaphthalene	47 % Recov
Carbazole	28000UJ ug/kg	4,6-Dinitro-2-methylph+	70000UJ ug/kg	3,3'-Dichlorobenzidine	0.002U % Recov
Hexachlorobutadiene	14000UJ ug/kg	1,3-Dichlorobenzene	5300U ug/kg	2-Methylphenol	94 % Recov
Pentachlorophenol	28000UJ ug/kg	2,6-Dinitrotoluene	14000U ug/kg	1,2-Dichlorobenzene	52 % Recov
2,4,6-Trichlorophenol	14000U ug/kg	N-Nitroso-di-n-Propyl+	5300U ug/kg	o-Chlorophenol (2-Chlo+	0.0001U % Recov
2-Nitroaniline	14000U ug/kg	4-Chlorophenyl-phenyle+	5300UJ ug/kg	2,4,5-Trichlorophenol	0.0004UJ % Recov
2-Nitrophenol	14000U ug/kg	BIS(2OCHLOROISOPROPYL)+	5300U ug/kg	Nitrobenzene	67 % Recov
Naphthalene, 1-Methyl-	8400 * ug/kg	Surrog: 2-Fluorobiphen+	103 % Recov	3-Nitroaniline	0.001UJ % Recov
Naphthalene	5300U ug/kg	Surrog: 2-Fluorophenol	21 % Recov	4-Nitroaniline	0.001U % Recov
2-Methylnaphthalene	2700NJ* ug/kg	Surrog: D14-Terphenyl	30 % Recov	4-Nitrophenol	0.001U % Recov
2-Chloronaphthalene	5300U ug/kg	PYRENE-D10 (SS)	35 % Recov	Benzyl Alcohol	89 % Recov
3,3'-Dichlorobenzidine	14000U ug/kg	Surrog: D5-Nitrobenzene	62 % Recov	4-Bromophenyl-phenyle+	0.0001UJ % Recov
2-Methylphenol	5300U ug/kg	Surrog: D5-Phenol	47 % Recov	2,4-Dimethylphenol	60 % Recov
1,2-Dichlorobenzene	5300U ug/kg			4-Methylphenol	93 % Recov
o-Chlorophenol (2-Chlo+	5300U ug/kg			1,4-Dichlorobenzene	51 % Recov
2,4,5-Trichlorophenol	27000UJ ug/kg			4-Chloroaniline	0.001U % Recov
Nitrobenzene	5300U ug/kg			Phenol	0.0001U % Recov
3-Nitroaniline	70000UJ ug/kg			bis(2-Chloroethyl)Ether	54 % Recov
4-Nitroaniline	70000U ug/kg			bis(2-Chloroethoxy)Met+	66 % Recov
4-Nitrophenol	70000U ug/kg			BIS(2-ETHYLHEXYL) PHTH+	130J % Recov
Benzyl Alcohol	28000UJ ug/kg	Benzo(a)pyrene	52 % Recov	Di-n-Octyl Phthalate	110J % Recov
4-Bromophenyl-phenyle+	5300U ug/kg	2,4-Dinitrophenol	0.001UJ % Recov	Hexachlorobenzene	0.0001UJ % Recov
2,4-Dimethylphenol	5300U ug/kg	Dibenzo(a,h)anthracene	51 % Recov	Anthracene	55 % Recov
4-Methylphenol	5300U ug/kg	Benzo(a)anthracene	76 % Recov	1,2,4-Trichlorobenzene	69 % Recov
1,4-Dichlorobenzene	5300U ug/kg	4-Chloro-3-Methylphenol	0.0004U % Recov	2,4-Dichlorophenol	0.0001U % Recov
4-Chloroaniline	70000U ug/kg	Benzoic acid	0.001UJ % Recov	2,4-Dinitrotoluene	0.0002U % Recov
Phenol	5300U ug/kg	Hexachloroethane	84 % Recov	Pyrene	82 % Recov
bis(2-Chloroethyl)Ether	5300U ug/kg	Hexachlorocyclopentadi+	0.0004UJ % Recov	Dimethylphthalate	0.0001U % Recov
bis(2-Chloroethoxy)Met+	5300U ug/kg	Isophorone	28 % Recov	Dibenzofuran	7 % Recov
BIS(2-ETHYLHEXYL) PHTH+	5300U ug/kg	Acenaphthene	48 % Recov		

(Continued on next page)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352359

Description: ORS02

Source: Sludge (Waste Pond)

Begin Date: 92/08/25 12:00

B/N/Acid Scan				B/N/Acid Scan				B/N/Acid Scan			
*** Continued ***				*** Continued ***				*** Continued ***			
Matrix Spike #1	Sediment	Result	Units	Matrix Spike #2	Sediment	Result	Units	Matrix Spike #2	Sediment	Result	Units
Benzo(ghi)perylene	15	% Recov		2,4,6-Trichlorophenol	0.001UJ	% Recov		1,3-Dichlorobenzene	39	% Recov	
Indeno(1,2,3-cd)pyrene	37	% Recov		2-Nitroaniline	0.001U	% Recov		2,6-Dinitrotoluene	0.001U	% Recov	
Benzo(b)fluoranthene	110	% Recov		2-Nitrophenol	0.001U	% Recov		N-Nitroso-di-n-Propylat+	28	% Recov	
Fluoranthene	100	% Recov		Naphthalene, 1-Methyl-	0.0005U	% Recov		4-Chlorophenyl-phenyle+	0.0005UJ	% Recov	
Benzo(k)fluoranthene	92	% Recov		Naphthalene	62	% Recov		BIS(2OCHLOROISOPROPYL)+	56J	% Recov	
Acenaphthylene	0.0001U	% Recov		2-Methylnaphthalene	43	% Recov		Surrog: 2-Fluorobiphen+	150	% Recov	
Chrysene	120	% Recov		2-Chloronaphthalene	69	% Recov		Surrog: 2-Fluorophenol	66	% Recov	
Retene	0.0001U	% Recov		3,3'-Dichlorobenzidine	0.01U	% Recov		Surrog: D14-Terphenyl	45	% Recov	
4,6-Dinitro-2-methylph+	0.001UJ	% Recov		2-Methylphenol	65	% Recov		PYRENE-D10 (SS)	48	% Recov	
1,3-Dichlorobenzene	51	% Recov		1,2-Dichlorobenzene	48	% Recov		Surrog: D5-Nitrobenzene	108	% Recov	
2,6-Dinitrotoluene	0.0002U	% Recov		o-Chlorophenol (2-Chlo+	50	% Recov		Surrog: D5-Phenol	77	% Recov	
N-Nitroso-di-n-Propylat+	110	% Recov		2,4,5-Trichlorophenol	0.002UJ	% Recov					
4-Chlorophenyl-phenyle+	0.0001UJ	% Recov		Nitrobenzene	57	% Recov					
BIS(2OCHLOROISOPROPYL)+	63J	% Recov		3-Nitroaniline	0.006UJ	% Recov					
Surrog: 2-Fluorobiphen+	165	% Recov		4-Nitroaniline	0.006U	% Recov					
Surrog: 2-Fluorophenol	109	% Recov		4-Nitrophenol	0.006U	% Recov					
Surrog: D14-Terphenyl	47	% Recov		Benzyl Alcohol	78J	% Recov					
PYRENE-D10 (SS)	31	% Recov		4-Bromophenyl-phenyle+	31J	% Recov					
Surrog: D5-Nitrobenzene	120	% Recov		2,4-Dimethylphenol	68	% Recov					
Surrog: D5-Phenol	133	% Recov		4-Methylphenol	70	% Recov					
				1,4-Dichlorobenzene	54	% Recov					
				4-Chloroaniline	0.006U	% Recov					
				Phenol	41	% Recov					
B/N/Acid Scan	Sediment			bis(2-Chloroethyl)Ether	47	% Recov					
Matrix Spike #2	Result	Units		bis(2-Chloroethoxy)Met+	58	% Recov					
Benzo(a)pyrene	70	% Recov		BIS(2-ETHYLHEXYL) PHTH+	68J	% Recov					
2,4-Dinitrophenol	0.006UJ	% Recov		Di-n-Octyl Phthalate	56J	% Recov					
Dibenzo(a,h)anthracene	40	% Recov		Hexachlorobenzene	27J	% Recov					
Benzo(a)anthracene	56	% Recov		Anthracene	37	% Recov					
4-Chloro-3-Methylphenol	35	% Recov		1,2,4-Trichlorobenzene	58	% Recov					
Benzoic acid	0.006UJ	% Recov		2,4-Dichlorophenol	21	% Recov					
Hexachloroethane	34	% Recov		2,4-Dinitrotoluene	0.001U	% Recov					
Hexachlorocyclopentadi+	0.002UJ	% Recov		Pyrene	87	% Recov					
Isophorone	7	% Recov		Dimethylphthalate	1	% Recov					
Acenaphthene	75	% Recov		Dibenzofuran	17	% Recov					
Diethylphthalate	0.0005U	% Recov		Benzo(ghi)perylene	42	% Recov					
Di-n-Butylphthalate	23	% Recov		Indeno(1,2,3-cd)pyrene	41	% Recov					
Phenanthrene	35	% Recov		Benzo(b)fluoranthene	87	% Recov					
Butylbenzylphthalate	22	% Recov		Fluoranthene	43	% Recov					
N-Nitrosodiphenylamine	5	% Recov		Benzo(k)fluoranthene	69	% Recov					
Fluorene	64	% Recov		Acenaphthylene	68	% Recov					
Carbazole	0.002UJ	% Recov		Chrysene	82	% Recov					
Hexachlorobutadiene	21J	% Recov		Retene	0.0005U	% Recov					
Pentachlorophenol	0.002U	% Recov		4,6-Dinitro-2-methylph+	0.006UJ	% Recov					

(Continued on next page)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352359

Description: ORS02

Source: Sludge (Waste Pond)

Begin Date: 92/08/25 12:00

B/N/Acid Scan				B/N/Acid Scan				B/N/Acid Scan			
Sediment				Sediment				Sediment			
*** Continued ***				*** Continued ***				*** Continued ***			
Duplicate #1	Result	Units		Duplicate #1	Result	Units		Duplicate #2	Result	Units	
1,2-Dichlorobenzene	45	% Recov		Surrog: D5-Phenol	0	% Recov		2,4-Dimethylphenol	0.02U	% Recov	
o-Chlorophenol (2-Chlo+	0.0001U	% Recov		BIS(2OCHLOROISOPROPYL)+	58	% Recov		4-Methylphenol	0.02U	% Recov	
2,4,5-Trichlorophenol	0.0001U	% Recov						1,4-Dichlorobenzene	130	% Recov	
Nitrobenzene	65	% Recov						4-Chloroaniline	0.2U	% Recov	
3-Nitroaniline	0.0002UJ	% Recov						Phenol	0.02U	% Recov	
4-Nitroaniline	0.0002U	% Recov						bis(2-Chloroethyl)Ether	75	% Recov	
4-Nitrophenol	0.0002U	% Recov						bis(2-Chloroethoxy)Met+	75	% Recov	
Benzyl Alcohol	35	% Recov						BIS(2-ETHYLHEXYL) PHTH+	4J	% Recov	
4-Bromophenyl-phenylet+	0.0001U	% Recov						Di-n-Octyl Phthalate	12J	% Recov	
2,4-Dimethylphenol	0.0001U	% Recov						Hexachlorobenzene	0.02U	% Recov	
4-Methylphenol	0.0001U	% Recov						Anthracene	0.02U	% Recov	
1,4-Dichlorobenzene	84	% Recov						1,2,4-Trichlorobenzene	72	% Recov	
4-Chloroaniline	0.0002U	% Recov						2,4-Dichlorophenol	0.02U	% Recov	
Phenol	0.0001U	% Recov						2,4-Dinitrotoluene	0.05U	% Recov	
bis(2-Chloroethyl)Ether	64	% Recov						Pyrene	0.02U	% Recov	
bis(2-Chloroethoxy)Met+	66	% Recov						Dimethylphthalate	80	% Recov	
BIS(2-ETHYLHEXYL) PHTH+	11	% Recov						Dibenzofuran	27	% Recov	
Di-n-Octyl Phthalate	5	% Recov						Benzo(ghi)perylene	0.02U	% Recov	
Hexachlorobenzene	0.0001UJ	% Recov						Indeno(1,2,3-cd)pyrene	0.02U	% Recov	
Anthracene	0.0001U	% Recov						Benzo(b)fluoranthene	0.02U	% Recov	
1,2,4-Trichlorobenzene	54	% Recov						Fluoranthene	0.02U	% Recov	
2,4-Dichlorophenol	0.0001U	% Recov						Benzo(k)fluoranthene	0.02U	% Recov	
2,4-Dinitrotoluene	0.0003U	% Recov						Acenaphthylene	.66	% Recov	
Pyrene	0.0001U	% Recov						Chrysene	0.02U	% Recov	
Dimethylphthalate	35	% Recov						Retene	0.02U	% Recov	
Dibenzo furan	32	% Recov						4,6-Dinitro-2-methylph+	0.2U	% Recov	
Benzo(ghi)perylene	0.0001U	% Recov						1,3-Dichlorobenzene	130	% Recov	
Indeno(1,2,3-cd)pyrene	0.0001U	% Recov						2,6-Dinitrotoluene	0.05U	% Recov	
Benzo(b)fluoranthene	0.0001U	% Recov						N-Nitroso-di-n-Propylat+	51	% Recov	
Fluoranthene	0.0001U	% Recov						Surrog: 2-Fluorobiphen+	193	% Recov	
Benzo(k)fluoranthene	0.0001U	% Recov						Surrog: 2-Fluorophenol	9	% Recov	
Acenaphthylene	0.0001U	% Recov						4-Chlorophenyl-phenylet+	0.02U	% Recov	
Chrysene	0.0001U	% Recov						Surrog: D14-Terphenyl	0	% Recov	
Retene	0.0001U	% Recov						PYRENE-D10 (SS)	0	% Recov	
4,6-Dinitro-2-methylph+	0.0002U	% Recov						Surrog: D5-Nitrobenzene	144	% Recov	
1,3-Dichlorobenzene	84	% Recov						Surrog: D5-Phenol	0	% Recov	
2,6-Dinitrotoluene	0.0003U	% Recov						BIS(2OCHLOROISOPROPYL)+	68	% Recov	
N-Nitroso-di-n-Propylat+	40	% Recov									
Surrog: 2-Fluorobiphen+	0	% Recov									
Surrog: 2-Fluorophenol	8	% Recov									
4-Chlorophenyl-phenylet+	0.0001U	% Recov									
Surrog: D14-Terphenyl	0	% Recov									
PYRENE-D10 (SS)	0	% Recov									
Surrog: D5-Nitrobenzene	118	% Recov									

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24-NOV-92
13:15:56

EPA Region X Lab Management System
Sample/Project Analysis Results

Page 5

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352359

Description: ORS02

Source: Sludge (Waste Pond)

Begin Date: 92/08/25 12:00

Tent Ident - B/N/Aci	Sediment	Result	Units
UNKNOWN HYDROCARBON #1		5600NJ*	ug/kg
UNKNOWN HYDROCARBON #2		10000NJ*	ug/kg
PENTADECANE, 2-METHYL-		8500NJ*	ug/kg
9-OCTADECENE, (E)-		13000NJ*	ug/kg
UNKNOWN HYDROCARBON 3		24000NJ*	ug/kg
UNKNOWN HYDROCARBON 4		620000NJ*	ug/kg
UNKNOWN HYDROCARBON 5		220000NJ*	ug/kg
UNKNOWN HYDROCARBON 6		220000NJ*	ug/kg
UNKNOWN COMPOUND 1		96000NJ*	ug/kg
UNKNOWN COMPOUND 2		8000NJ*	ug/kg
UNKNOWN COMPOUND 3		19000NJ*	ug/kg
UNKNOWN COMPOUND 4		96000NJ*	ug/kg
HEPTADECANE, 2,6-DIMET+		22500NJ*	ug/kg
9-EICOSENE, (E)-		16000NJ*	ug/kg

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352360

Description: SS001

Source: Sediment (General)

Begin Date: 92/08/25 12:30

B/N/Acid Scan	Sediment	B/N/Acid Scan	Sediment	Tent Ident	B/N/Aci	Sediment	
	Result	Units		*** Continued ***		Result	Units
Benzo(a)pyrene	13JN*	ug/kg	Di-n-Octyl Phthalate	140U	ug/kg	PHENANTHRENE, 2,3,5-TR+	170NJ* ug/kg
2,4-Dinitrophenol	REJ	ug/kg	Hexachlorobenzene	140U	ug/kg	HEXANEDIOIC ACID, MONO+	3800NJ* ug/kg
Dibenzo(a,h)anthracene	350U	ug/kg	Anthracene	140U	ug/kg	UNKNOWN HYDROCARBON 1	370NJ* ug/kg
Benzo(a)anthracene	31NJ*	ug/kg	1,2,4-Trichlorobenzene	140U	ug/kg	UNKNOWN HYDROCARBON 2	160NJ* ug/kg
4-Chloro-3-Methylphenol	REJ	ug/kg	2,4-Dichlorophenol	REJ	ug/kg	UNKNOWN HYDROCARBON 3	220NJ* ug/kg
Benzoic acid	REJ	ug/kg	2,4-Dinitrotoluene	350U	ug/kg	UNKNOWN HYDROCARBON 4	240NJ* ug/kg
Hexachloroethane	140U	ug/kg	Pyrene	64J*	ug/kg	UNKNOWN HYDROCARBON 5	360NJ* ug/kg
Hexachlorocyclopentadi+	710U	ug/kg	Dimethylphthalate	140U	ug/kg	UNKNOWN HYDROCARBON 6	440NJ* ug/kg
Isophorone	27J*	ug/kg	Dibenzofuran	3NJ*	ug/kg	UNKNOWN HYDROCARBON 7	460NJ* ug/kg
Acenaphthene	140U	ug/kg	Benzo(ghi)perylene	140U	ug/kg	UNKNOWN HYDROCARBON 8	410NJ* ug/kg
Diethylphthalate	140U	ug/kg	Indeno(1,2,3-cd)pyrene	140U	ug/kg	UNKNOWN HYDROCARBON 9	670NJ* ug/kg
Di-n-Butylphthalate	230U	ug/kg	Benzo(b)fluoranthene	16JN*	ug/kg	UNKNOWN HYDROCARBON 10	420NJ* ug/kg
Phenanthrene	49J*	ug/kg	Fluoranthene	23J*	ug/kg	UNKNOWN HYDROCARBON 11	610NJ* ug/kg
Butylbenzylphthalate	140U	ug/kg	Benzo(k)fluoranthene	140U	ug/kg	UNKNOWN COMPOUND 1	950NJ* ug/kg
N-Nitrosodiphenylamine	24J*	ug/kg	Acenaphthylene	140U	ug/kg	UNKNOWN COMPOUND 2	420NJ* ug/kg
Fluorene	140U	ug/kg	Chrysene	85J*	ug/kg	UNKNOWN COMPOUND 3	200NJ* ug/kg
Carbazole	68J*	ug/kg	Retene	140U	ug/kg	UNKNOWN COMPOUND 4	120NJ* ug/kg
Hexachlorobutadiene	350U	ug/kg	4,6-Dinitro-2-methylph+	REJ	ug/kg	UNKNOWN COMPOUND 5	130NJ* ug/kg
Pentachlorophenol	REJ	ug/kg	1,3-Dichlorobenzene	140U	ug/kg	UNKNOWN COMPOUND 6	290NJ* ug/kg
2,4,6-Trichlorophenol	REJ	ug/kg	2,6-Dinitrotoluene	350U	ug/kg	UNKNOWN COMPOUND 7	88NJ* ug/kg
2-Nitroaniline	350U	ug/kg	N-Nitroso-di-n-Propylat+	140UJ	ug/kg	UNKNOWN COMPOUND 8	1500NJ* ug/kg
2-Nitrophenol	REJ	ug/kg	4-Chlorophenyl-phenyle+	140U	ug/kg	2-HEXANONE, 6-BROMO-	19JN* ug/kg
Naphthalene, 1-Methyl-	4JN*	ug/kg	BIS(20CHLOROISOPROPYL)+	140UJ	ug/kg	CYCLOHEPTENE, 1-CHLORO-5.7EXP8NJ* ug/kg	
Naphthalene	10J*	ug/kg	Surrog: 2-Fluorobiphen+	95	% Recov	ETHANONE, 1-13-ETHYLOX+ 1400NJ* ug/kg	
2-Methylnaphthalene	.6J*	ug/kg	Surrog: 2-Fluorophenol	38	% Recov	HEXANE, 1-PROPOXY- 2.1NJ* ug/kg	
2-Chloronaphthalene	140U	ug/kg	Surrog: D14-Terphenyl	101	% Recov	N,N'-BIS(2-METHYL-2-NI+ 48NJ* ug/kg	
3,3'-Dichlorobenzidine	3500U	ug/kg	PYRENE-D10 (SS)	80	% Recov		
2-Methylphenol	REJ	ug/kg	Surrog: D5-Nitrobenzene	100	% Recov		
1,2-Dichlorobenzene	140U	ug/kg	Surrog: D5-Phenol	5	% Recov		
o-Chlorophenol (2-Chlo+	REJ	ug/kg					
2,4,5-Trichlorophenol	REJ	ug/kg					
Nitrobenzene	140U	ug/kg					
3-Nitroaniline	REJ	ug/kg					
4-Nitroaniline	1800U	ug/kg					
4-Nitrophenol	REJ	ug/kg					
Benzyl Alcohol	710U	ug/kg					
4-Bromophenyl-phenylet+	140U	ug/kg					
2,4-Dimethylphenol	REJ	ug/kg					
4-Methylphenol	REJ	ug/kg					
1,4-Dichlorobenzene	140U	ug/kg					
4-Chloroaniline	1800UJ	ug/kg					
Phenol	REJ	ug/kg					
bis(2-Chloroethyl)Ether	140U	ug/kg					
bis(2-Chloroethoxy)Met+	12J*	ug/kg					
BIS(2-ETHYLHEXYL) PHTH+	8600J*	ug/kg					

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352361

Description: SS002

Source: Sediment (General)

Begin Date: 92/08/25 11:00

B/N/Acid Scan	Sediment Result	Units	B/N/Acid Scan	Sediment Result	Units	Tent Ident	B/N/Aci	Sediment
			*** Continued ***			*** Continued ***	*** Continued ***	
Benzo(a)pyrene	630U	ug/kg	Di-n-Octyl Phthalate	630U	ug/kg	NAPHTHALENE, 1,6,7-TRI+	2500NJ*	ug/kg
2,4-Dinitrophenol	REJ	ug/kg	Hexachlorobenzene	630U	ug/kg	ERGOSTA-7,22-DIEN-3-OL+	670NJ*	ug/kg
Dibenzo(a,h)anthracene	1600U	ug/kg	Anthracene	180J*	ug/kg	PHENANTHRENE, 2-METHYL-	520NJ*	ug/kg
Benzo(a)anthracene	630U	ug/kg	1,2,4-Trichlorobenzene	630U	ug/kg	PHENANTHRENE, 1,3,6-TRI+	930NJ*	ug/kg
4-Chloro-3-Methylphenol	REJ	ug/kg	2,4-Dichlorophenol	REJ	ug/kg	PHENANTHRENE, 2,3-DIME+	1700NJ*	ug/kg
Benzoic acid	REJ	ug/kg	2,4-Dinitrotoluene	1600U	ug/kg	UNKNOWN HYDROCARBON 1	1200NJ*	ug/kg
Hexachloroethane	630U	ug/kg	Pyrene	280J*	ug/kg	UNKNOWN HYDROCARBON 2	2300NJ*	ug/kg
Hexachlorocyclopentadi+	3300U	ug/kg	Dimethylphthalate	630U	ug/kg	UNKNOWN HYDROCARBON 3	8800NJ*	ug/kg
Isophorone	110J*	ug/kg	Dibenzofuran	630U	ug/kg	UNKNOWN HYDROCARBON 4	2700NJ*	ug/kg
Acenaphthene	630U	ug/kg	Benzo(ghi)perylene	630U	ug/kg	UNKNOWN HYDROCARBON 5	2700NJ*	ug/kg
Diethylphthalate	630U	ug/kg	Indeno(1,2,3-cd)pyrene	630U	ug/kg	UNKNOWN COMPOUND 1	1300NJ*	ug/kg
Di-n-Butylphthalate	630U	ug/kg	Benzo(b)fluoranthene	630U	ug/kg	UNKNOWN COMPOUND 2	940NJ*	ug/kg
Phenanthrene	180J*	ug/kg	Fluoranthene	630U	ug/kg	UNKNOWN COMPOUND 3	640NJ*	ug/kg
Butylbenzylphthalate	1600U	ug/kg	Benzo(k)fluoranthene	630U	ug/kg	UNKNOWN COMPOUND 4	5600NJ*	ug/kg
N-Nitrosodiphenylamine	86J*	ug/kg	Acenaphthylene	630U	ug/kg	UNKNOWN COMPOUND 5	860NJ*	ug/kg
Fluorene	630U	ug/kg	Chrysene	630U	ug/kg	UNKNOWN COMPOUND 6	660NJ*	ug/kg
Carbazole	29J*	ug/kg	Retene	240J*	ug/kg	UNKNOWN COMPOUND 7	970NJ*	ug/kg
Hexachlorobutadiene	1600U	ug/kg	4,6-Dinitro-2-methylph+	REJ	ug/kg	UNKNOWN COMPOUND 8	1200NJ*	ug/kg
Pentachlorophenol	REJ	ug/kg	1,3-Dichlorobenzene	630U	ug/kg	UNKNOWN COMPOUND 9	7200NJ*	ug/kg
2,4,6-Trichlorophenol	REJ	ug/kg	2,6-Dinitrotoluene	1600U	ug/kg	UNKNOWN COMPOUND 10	3800NJ*	ug/kg
2-Nitroaniline	1600U	ug/kg	N-Nitroso-di-n-Propylat	630UJ	ug/kg	2-HEXANONE, 6-BROMO-	660NJ*	ug/kg
2-Nitrophenol	REJ	ug/kg	4-Chlorophenyl-phenyle+	630U	ug/kg	PENTANE, 1,3-EPOXY-4-M+	1700NJ*	ug/kg
Naphthalene, 1-Methyl-	84JN*	ug/kg	BIS(20CHLOROISOPROPYL)+	630UJ	ug/kg	OXIRANE, 2,2-DIMETHYL-	1300NJ*	ug/kg
Naphthalene	630U	ug/kg	Surrog: 2-Fluorobiphen+	105	% Recov	1,3-DIOXOLANE-2-PROPAN+	3400NJ*	ug/kg
2-Methylnaphthalene	63JN*	ug/kg	Surrog: 2-Fluorophenol	52	% Recov	1-HEXADECANOL	760NJ*	ug/kg
2-Chloronaphthalene	630U	ug/kg	Surrog: D14-Terphenyl	100	% Recov	HEXANE, 1-PROPOXY-	1700NJ*	ug/kg
3,3'-Dichlorobenzidine	16000U	ug/kg	PYRENE-D10 (SS)	84	% Recov	2-PENTENE, 5-(PENTYLOX+	1100NJ*	ug/kg
2-Methylphenol	REJ	ug/kg	Surrog: D5-Nitrobenzene	70	% Recov	2-CYCLOHEXEN-1-ONE, 3,+	3800NJ*	ug/kg
1,2-Dichlorobenzene	630U	ug/kg	Surrog: D5-Phenol	0	% Recov	KAUREN-18-OL, ACETATE,+	930NJ*	ug/kg
o-Chlorophenol (2-Chlo+	REJ	ug/kg				2,6-DIMETHYL-6-NITRO-2+	360NJ*	ug/kg
2,4,5-Trichlorophenol	REJ	ug/kg				NAPHTHALENE, 1,2(OR 2,+	220NJ*	ug/kg
Nitrobenzene	630U	ug/kg						
3-Nitroaniline	REJ	ug/kg						
4-Nitroaniline	8300U	ug/kg						
4-Nitrophenol	REJ	ug/kg						
Benzyl Alcohol	1500J*	ug/kg						
4-Bromophenyl-phenylet+	630U	ug/kg						
2,4-Dimethylphenol	REJ	ug/kg						
4-Methylphenol	REJ	ug/kg						
1,4-Dichlorobenzene	630U	ug/kg						
4-Chloroaniline	8300UJ	ug/kg						
Phenol	REJ	ug/kg						
bis(2-Chloroethyl)Ether	630U	ug/kg						
bis(2-Chloroethoxy)Met+	630U	ug/kg						
BIS(2-ETHYLHEXYL) PHTH+	950U	ug/kg						

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352362

Description: SS003

Source: Sediment (General)

Begin Date: 92/08/25 10:25

B/N/Acid Scan	Sediment	B/N/Acid Scan	Sediment	Tent Ident - B/N/Aci	Sediment
	Result Units	*** Continued ***	Result Units	*** Continued ***	Result Units
Benzo(a)pyrene	130U ug/kg	Di-n-Octyl Phthalate	130U ug/kg	2-HEXANOL	1400NJ* ug/kg
2,4-Dinitrophenol	1600UJ ug/kg	Hexachlorobenzene	130U ug/kg	9-HEXADECENOIC ACID, M+	50NJ* ug/kg
Dibenzo(a,h)anthracene	320U ug/kg	Anthracene	130U ug/kg	2-CYCLOHEXEN-1-ONE, 3,+	390NJ* ug/kg
Benzo(a)anthracene	17J* ug/kg	1,2,4-Trichlorobenzene	130U ug/kg	CYCLOPENTANOL, 1-METHY+	1100NJ* ug/kg
4-Chloro-3-Methylphenol	640U ug/kg	2,4-Dichlorophenol	130U ug/kg	2-HEXANONE, 6-(ACETYLO+	1300NJ* ug/kg
Benzoic acid	1600UJ ug/kg	2,4-Dinitrotoluene	320U ug/kg	2-PENTANONE, 5-(ACETYL+	1500NJ* ug/kg
Hexachloroethane	130U ug/kg	Pyrene	8NJ* ug/kg	CYCLOPENTENE, 1-ISOPRO+	240NJ* ug/kg
Hexachlorocyclopentadi+	640U ug/kg	Dimethylphthalate	130U ug/kg	UNKNOWN HYDROCARBON 1	67NJ* ug/kg
Isophorone	7J* ug/kg	Dibenzofuran	130U ug/kg	UNKNOWN HYDROCARBON 2	130NJ* ug/kg
Acenaphthene	130U ug/kg	Benzo(ghi)perylene	130U ug/kg	UNKNOWN HYDROCARBON 3	250NJ* ug/kg
Diethylphthalate	130U ug/kg	Indeno(1,2,3-cd)pyrene	130U ug/kg	UNKNOWN HYDROCARBON 4	290NJ* ug/kg
Di-n-Butylphthalate	130U ug/kg	Benzo(b)fluoranthene	130U ug/kg	UNKNOWN COMPOUND 1	470NJ* ug/kg
Phenanthrene	9NJ* ug/kg	Fluoranthene	6NJ* ug/kg	UNKNOWN COMPOUND 2	150NJ* ug/kg
Butylbenzylphthalate	130U ug/kg	Benzo(k)fluoranthene	130U ug/kg	UNKNOWN COMPOUND 3	300NJ* ug/kg
N-Nitrosodiphenylamine	1600UJ ug/kg	Acenaphthylene	130U ug/kg	UNKNOWN COMPOUND 3	95NJ* ug/kg
Fluorene	130U ug/kg	Chrysene	12J* ug/kg	2-HEXANONE, 6-BROMO-	850NJ* ug/kg
Carbazole	640UJ ug/kg	Retene	130U ug/kg	ETHANONE, 1-13-ETHYLOX+	260NJ* ug/kg
Hexachlorobutadiene	320U ug/kg	4,6-Dinitro-2-methylph+	1600UJ ug/kg	1-HEXADECANOL	100NJ* ug/kg
Pentachlorophenol	640UJ ug/kg	1,3-Dichlorobenzene	130U ug/kg	1,E-4,Z-8-DODECATRIENE	89NJ* ug/kg
2,4,6-Trichlorophenol	320U ug/kg	2,6-Dinitrotoluene	320U ug/kg		
2-Nitroaniline	320U ug/kg	N-Nitroso-di-n-Propylat	130UJ ug/kg		
2-Nitrophenol	320U ug/kg	4-Chlorophenyl-phenyle+	130U ug/kg		
Naphthalene, 1-Methyl-	130U ug/kg	BIS(20CHLOROISOPROPYL)+	130UJ ug/kg		
Naphthalene	130U ug/kg	Surrog: 2-Fluorobiphen+	76 % Recov		
2-Methylnaphthalene	130U ug/kg	Surrog: 2-Fluorophenol	22 % Recov		
2-Chloronaphthalene	130U ug/kg	Surrog: D14-Terphenyl	92 % Recov		
3,3'-Dichlorobenzidine	3200U ug/kg	PYRENE-D10 (SS)	89 % Recov		
2-Methylphenol	130U ug/kg	Surrog: D5-Nitrobenzene	73 % Recov		
1,2-Dichlorobenzene	130U ug/kg	Surrog: D5-Phenol	31 % Recov		
o-Chlorophenol (2-Chlo+	130U ug/kg				
2,4,5-Trichlorophenol	640U ug/kg				
Nitrobenzene	130U ug/kg				
3-Nitroaniline	REJ ug/kg				
4-Nitroaniline	1600U ug/kg				
4-Nitrophenol	1600UJ ug/kg				
Benzyl Alcohol	640U ug/kg	CHOLESTEROL	240NJ* ug/kg		
4-Bromophenyl-phenylet+	130U ug/kg	ETHANE, 1,1,2,2-TETRAC+	750NJ* ug/kg		
2,4-Dimethylphenol	130UJ ug/kg	.GAMMA.-SITOSTEROL	140NJ* ug/kg		
4-Methylphenol	130U ug/kg	HEXANEDIOIC ACID, BIS(+	58NJ* ug/kg		
1,4-Dichlorobenzene	130U ug/kg	Decanoic Acid, Methyl +	70NJ* ug/kg		
4-Chloroaniline	1600UJ ug/kg	4-HYDROXY-4-METHYL PENT+	6400NJ* ug/kg		
Phenol	130U ug/kg	CYCLOHEXADECANE	320NJ* ug/kg		
bis(2-Chloroethyl)Ether	130U ug/kg	2-Hexanone	800NJ* ug/kg		
bis(2-Chloroethoxy)Met+	130U ug/kg	1-BUTENE, 2,3,3-TRIMET+	820NJ* ug/kg		
BIS(2-ETHYLHEXYL) PHTH+	980U ug/kg	3-HEXANOL	1400NJ* ug/kg		

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352363

Description: SS004

Source: Sediment (General)

Begin Date: 92/08/25 11:30

B/N/Acid Scan	Sediment	B/N/Acid Scan	Sediment	Tent Ident - B/N/Aci	Sediment			
	Result	Units		*** Continued ***	Result	Units		
Benzo(a)pyrene	1000U	ug/kg	Di-n-Octyl Phthalate	1000U	ug/kg	2,8-DIMETHYLDIBENZO(B,+)	1100NJ*	ug/kg
2,4-Dinitrophenol	13000UJ	ug/kg	Hexachlorobenzene	1000UJ	ug/kg	CYCLOPENTANOL, 1-METHYL+	4300NJ*	ug/kg
Dibenzo(a,h)anthracene	2600U	ug/kg	Anthracene	1000U	ug/kg	NAPHTHALENE, 1,4,5-TRI+	1200NJ*	ug/kg
Benzo(a)anthracene	80J*	ug/kg	1,2,4-Trichlorobenzene	1000U	ug/kg	UNKNOWN HYDROCARBON 1	1300NJ*	ug/kg
4-Chloro-3-Methylphenol	5200U	ug/kg	2,4-Dichlorophenol	1000U	ug/kg	UNKNOWN HYDROCARBON 2	4500NJ*	ug/kg
Benzoic acid	13000UJ	ug/kg	2,4-Dinitrotoluene	2600UJ	ug/kg	UNKNOWN HYDROCARBON 3	10000NJ*	ug/kg
Hexachloroethane	1000U	ug/kg	Pyrene	630J*	ug/kg	UNKNOWN HYDROCARBON 4	7100NJ*	ug/kg
Hexachlorocyclopentadi+	5200UJ	ug/kg	Dimethylphthalate	1000U	ug/kg	UNKNOWN COMPOUND 1	280NJ*	ug/kg
Isophorone	1000U	ug/kg	Dibenzofuran	1000U	ug/kg	UNKNOWN COMPOUND 2	460NJ*	ug/kg
Acenaphthene	1000U	ug/kg	Benzo(ghi)perylene	1000U	ug/kg	UNKNOWN COMPOUND 3	520NJ*	ug/kg
Diethylphthalate	1000U	ug/kg	Indeno(1,2,3-cd)pyrene	1000U	ug/kg	UNKNOWN COMPOUND 4	530NJ*	ug/kg
Di-n-Butylphthalate	1000U	ug/kg	Benzo(b)fluoranthene	1000U	ug/kg	UNKNOWN COMPOUND 5	400NJ*	ug/kg
Phenanthrene	310JN*	ug/kg	Fluoranthene	190JN*	ug/kg	UNKNOWN COMPOUND 6	78NJ*	ug/kg
Butylbenzylphthalate	2600U	ug/kg	Benzo(k)fluoranthene	1000U	ug/kg	UNKNOWN COMPOUND 7	1800NJ*	ug/kg
N-Nitrosodiphenylamine	2900J*	ug/kg	Acenaphthylene	1000U	ug/kg	UNKNOWN COMPOUND 8	200NJ*	ug/kg
Fluorene	1000U	ug/kg	Chrysene	610J*	ug/kg	UNKNOWN COMPOUND 9	420NJ*	ug/kg
Carbazole	5200UJ	ug/kg	Retene	1000U	ug/kg	UNKNOWN COMPOUND 10	2700NJ*	ug/kg
Hexachlorobutadiene	2600U	ug/kg	4,6-Dinitro-2-methylph+	13000UJ	ug/kg	UNKNOWN COMPOUND 11	4100NJ*	ug/kg
Pentachlorophenol	5200UJ	ug/kg	1,3-Dichlorobenzene	1000U	ug/kg	2-HEXANONE, 6-BROMO-	910NJ*	ug/kg
2,4,6-Trichlorophenol	2600UJ	ug/kg	2,6-Dinitrotoluene	2600U	ug/kg	ETHANONE, 1-13-ETHYLOX+	530NJ*	ug/kg
2-Nitroaniline	2600U	ug/kg	N-Nitroso-di-n-Propyla+	1000UJ	ug/kg	NONACOSANOL	940NJ*	ug/kg
2-Nitrophenol	2600U	ug/kg	4-Chlorophenyl-phenyle+	1000UJ	ug/kg	1,3-DIOXOLANE-2-PROPAN+	1800NJ*	ug/kg
Naphthalene, 1-Methyl-	1000U	ug/kg	BIS(20CHLOROISOPROPYL)+	1000UJ	ug/kg			
Naphthalene	1000U	ug/kg	Surrog: 2-Fluorobiphen+	83	% Recov			
2-Methylnaphthalene	89NJ*	ug/kg	Surrog: 2-Fluorophenol	20	% Recov			
2-Chloronaphthalene	1000U	ug/kg	Surrog: D14-Terphenyl	95	% Recov			
3,3'-Dichlorobenzidine	26000U	ug/kg	PYRENE-D10 (SS)	70	% Recov			
2-Methylphenol	1000U	ug/kg	Surrog: D5-Nitrobenzene	39	% Recov			
1,2-Dichlorobenzene	1000U	ug/kg	Surrog: D5-Phenol	28	% Recov			
o-Chlorophenol (2-Chlo+	1000U	ug/kg						
2,4,5-Trichlorophenol	5100UJ	ug/kg						
Nitrobenzene	1000U	ug/kg						
3-Nitroaniline	REJ	ug/kg						
4-Nitroaniline	13000UJ	ug/kg						
4-Nitrophenol	13000UJ	ug/kg						
Benzyl Alcohol	5200UJ	ug/kg						
4-Bromophenyl-phenylet+	1000U	ug/kg						
2,4-Dimethylphenol	1000U	ug/kg						
4-Methylphenol	1000U	ug/kg						
1,4-Dichlorobenzene	1000U	ug/kg						
4-Chloroaniline	13000UJ	ug/kg						
Phenol	1000U	ug/kg						
bis(2-Chloroethyl)Ether	1000U	ug/kg						
bis(2-Chloroethoxy)Met+	1000U	ug/kg						
BIS(2-ETHYLHEXYL) PHTH+	20000 *	ug/kg						

(Sample Complete)

24-NOV-92
13:15:56

EPA Region X Lab Management System
Sample/Project Analysis Results

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Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352364

Description: SS01-1

Source: Sediment (General)

Begin Date: 92/08/26 11:10

B/N/Acid Scan	Sediment Result	Units	B/N/Acid Scan *** Continued ***	Sediment Result	Units	Tent Ident - B/N/Aci *** Continued ***	Sediment Result	Units
Benzo(a)pyrene	110J*	ug/kg	Di-n-Octyl Phthalate	490UJ	ug/kg	UNKNOWN COMPOUND 2	250NJ*	ug/kg
2,4-Dinitrophenol	6400UJ	ug/kg	Hexachlorobenzene	490U	ug/kg	UNKNOWN COMPOUND 3	4900NJ*	ug/kg
Dibenzo(a,h)anthracene	1300U	ug/kg	Anthracene	93J*	ug/kg	ETHANONE, 1-13-ETHYLOX+	2040NJ*	ug/kg
Benzo(a)anthracene	140J*	ug/kg	1,2,4-Trichlorobenzene	490U	ug/kg			
4-Chloro-3-Methylphenol	2500U	ug/kg	2,4-Dichlorophenol	490U	ug/kg			
Benzoic acid	6400UJ	ug/kg	2,4-Dinitrotoluene	1300U	ug/kg			
Hexachloroethane	490U	ug/kg	Pyrene	460J*	ug/kg			
Hexachlorocyclopentadi+	2500UJ	ug/kg	Dimethylphthalate	490U	ug/kg			
Isophorone	490U	ug/kg	Dibenzofuran	160J*	ug/kg			
Acenaphthene	34J*	ug/kg	Benzo(ghi)perylene	240J*	ug/kg			
Diethylphthalate	490U	ug/kg	Indeno(1,2,3-cd)pyrene	160JN*	ug/kg			
Di-n-Butylphthalate	490U	ug/kg	Benzo(b)fluoranthene	430J*	ug/kg			
Phenanthrene	510 *	ug/kg	Fluoranthene	430J*	ug/kg			
Butylbenzylphthalate	1300U	ug/kg	Benzo(k)fluoranthene	130J*	ug/kg			
N-Nitrosodiphenylamine	74J*	ug/kg	Acenaphthylene	16J*	ug/kg			
Fluorene	31JN*	ug/kg	Chrysene	440J*	ug/kg			
Carbazole	2500UJ	ug/kg	Retene	240J*	ug/kg			
Hexachlorobutadiene	1300U	ug/kg	4,6-Dinitro-2-methylph+	6400UJ	ug/kg			
Pentachlorophenol	2500U	ug/kg	1,3-Dichlorobenzene	490U	ug/kg			
2,4,6-Trichlorophenol	1300U	ug/kg	2,6-Dinitrotoluene	1300U	ug/kg			
2-Nitroaniline	1300U	ug/kg	N-Nitroso-di-n-Propylat+	490UJ	ug/kg			
2-Nitrophenol	1300U	ug/kg	4-Chlorophenyl-phenyle+	490U	ug/kg			
Naphthalene, 1-Methyl-	140J*	ug/kg	BIS(20CHLOROISOPROPYL)+	490UJ	ug/kg			
Naphthalene	170J*	ug/kg	Surrog: 2-Fluorobiphen+	91	% Recov			
2-Methylnaphthalene	160J*	ug/kg	Surrog: 2-Fluorophenol	34	% Recov			
2-Chloronaphthalene	490U	ug/kg	Surrog: D14-Terphenyl	107	% Recov			
3,3'-Dichlorobenzidine	13000U	ug/kg	PYRENE-D10 (SS)	116	% Recov			
2-Methylphenol	490U	ug/kg	Surrog: D5-Nitrobenzene	47	% Recov			
1,2-Dichlorobenzene	490U	ug/kg	Surrog: D5-Phenol	55	% Recov			
o-Chlorophenol (2-Chlo+	490U	ug/kg						
2,4,5-Trichlorophenol	2500U	ug/kg						
Nitrobenzene	490U	ug/kg						
3-Nitroaniline	6400UJ	ug/kg						
4-Nitroaniline	6400UJ	ug/kg						
4-Nitrophenol	6400UJ	ug/kg						
Benzyl Alcohol	2500U	ug/kg	Decanoic Acid, Hexa-	380NJ*	ug/kg			
4-Bromophenyl-phenylet+	490U	ug/kg	CARYOPHYLLENE (VAN)	810NJ*	ug/kg			
2,4-Dimethylphenol	490U	ug/kg	4-HYDROXY-4-METHYLPIENT+	24000NJ*	ug/kg			
4-Methylphenol	490U	ug/kg	9,12,15-OCTADECATRIENO+	5100NJ*	ug/kg			
1,4-Dichlorobenzene	490U	ug/kg	1-BUTENE, 2,3,3-TRIMET+	3600NJ*	ug/kg			
4-Chloroaniline	6400U	ug/kg	1-HEXADECANOL, ACETATE	250NJ*	ug/kg			
Phenol	490U	ug/kg	1-DOCOSANOL	1700NJ*	ug/kg			
bis(2-Chloroethyl)Ether	68J*	ug/kg	2-HEXANONE, 6-(ACETYLO+	1800NJ*	ug/kg			
bis(2-Chloroethoxy)Met+	490U	ug/kg	SQUALENE	1800NJ*	ug/kg			
BIS(2-ETHYLHEXYL) PHTH+	490U	ug/kg	UNKNOWN COMPOUND 1	550NJ*	ug/kg			

(Sample Complete)

24-NOV-92
13:15:56EPA Region X Lab Management System
Sample/Project Analysis Results

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Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352365

Description: SS01-2

Source: Sediment (General)

Begin Date: 92/08/26 11:10

B/N/Acid Scan	Sediment	B/N/Acid Scan	Sediment	Tent Ident - B/N/Aci	Sediment
	Result Units	*** Continued ***	Result Units	*** Continued ***	Result Units
Benzo(a)pyrene	240J* ug/kg	Di-n-Octyl Phthalate	900U ug/kg	HEXANEDIOIC ACID, MONO+	1200NJ* ug/kg
2,4-Dinitrophenol	12000UJ ug/kg	Hexachlorobenzene	900U ug/kg	3,7,11-TRIDECATRIENENI+	290NJ* ug/kg
Dibenzo(a,h)anthracene	2300U ug/kg	Anthracene	194J* ug/kg	UNKNOWN HYDROCARBON 1	720NJ* ug/kg
Benzo(a)anthracene	310NJ* ug/kg	1,2,4-Trichlorobenzene	900U ug/kg	UNKNOWN COMPOUND 1	2200NJ* ug/kg
4-Chloro-3-Methylphenol	4600U ug/kg	2,4-Dichlorophenol	900U ug/kg	UNKNOWN COMPOUND 2	200NJ* ug/kg
Benzoic acid	12000UJ ug/kg	2,4-Dinitrotoluene	2300U ug/kg	2-HEXANONE, 6-BROMO-	860NJ* ug/kg
Hexachloroethane	900U ug/kg	Pyrene	1300 * ug/kg	1,3-DIOXOLANE-2-PROPAN+	2700NJ* ug/kg
Hexachlorocyclopentadi+	4600U ug/kg	Dimethylphthalate	900U ug/kg	2H-PYRAN, 2-(7-HEPTADE+	1400NJ* ug/kg
Isophorone	900U ug/kg	Dibenzofuran	390J* ug/kg	1,E-4,Z-8-DODECATRIENE	210NJ* ug/kg
Acenaphthene	72NJ* ug/kg	Benzo(ghi)perylene	470J* ug/kg		
Diethylphthalate	900U ug/kg	Indeno(1,2,3-cd)pyrene	260J* ug/kg		
Di-n-Butylphthalate	900U ug/kg	Benzo(b)fluoranthene	610J* ug/kg		
Phenanthrene	1200 * ug/kg	Fluoranthene	1100 * ug/kg		
Butylbenzylphthalate	2300U ug/kg	Benzo(k)fluoranthene	900U ug/kg		
N-Nitrosodiphenylamine	12000UJ ug/kg	Acenaphthylene	900U ug/kg		
Fluorene	58NJ* ug/kg	Chrysene	620NJ* ug/kg		
Carbazole	4600UJ ug/kg	Retene	870NJ* ug/kg		
Hexachlorobutadiene	2300U ug/kg	4,6-Dinitro-2-methylph+	12000UJ ug/kg		
Pentachlorophenol	4600U ug/kg	1,3-Dichlorobenzene	900U ug/kg		
2,4,6-Trichlorophenol	2300U ug/kg	2,6-Dinitrotoluene	2300U ug/kg		
2-Nitroaniline	2300U ug/kg	N-Nitroso-di-n-Propylat	900UJ ug/kg		
2-Nitrophenol	2300U ug/kg	4-Chlorophenyl-phenyle+	900U ug/kg		
Naphthalene, 1-Methyl-	370J* ug/kg	BIS(20CHLOROISOPROPYL)+	900UJ ug/kg		
Naphthalene	300J* ug/kg	Surrog: 2-Fluorobiphen+	107 % Recov		
2-Methylnaphthalene	360J* ug/kg	Surrog: 2-Fluorophenol	11 % Recov		
2-Chloronaphthalene	900U ug/kg	Surrog: D14-Terphenyl	110 % Recov		
3,3'-Dichlorobenzidine	23000U ug/kg	PYRENE-D10 (SS)	114 % Recov		
2-Methylphenol	900U ug/kg	Surrog: D5-Nitrobenzene	52 % Recov		
1,2-Dichlorobenzene	900U ug/kg	Surrog: D5-Phenol	24 % Recov		
o-Chlorophenol (2-Chlo+	900U ug/kg				
2,4,5-Trichlorophenol	4500U ug/kg				
Nitrobenzene	900U ug/kg				
3-Nitroaniline	REJ ug/kg				
4-Nitroaniline	12000UJ ug/kg	Tent Ident - B/N/Aci	Sediment		
4-Nitrophenol	12000UJ ug/kg	Result Units			
Benzyl Alcohol	4600U ug/kg	ETHANE, 1,1,2,2-TETRAC+	1700NJ* ug/kg		
4-Bromophenyl-phenylet+	900U ug/kg	CARYOPHYLLENE (VAN)	530NJ* ug/kg		
2,4-Dimethylphenol	900U ug/kg	2-PENTANONE	2400NJ* ug/kg		
4-Methylphenol	900U ug/kg	4-HYDROXY-4-METHYL PENT+	15000NJ* ug/kg		
1,4-Dichlorobenzene	900U ug/kg	9,12,15-OCTADECATRIENO+	2400NJ* ug/kg		
4-Chloroaniline	12000UJ ug/kg	9H-FLUOREN-9-ONE	440NJ* ug/kg		
Phenol	900U ug/kg	2-Hexanone	2800NJ* ug/kg		
bis(2-Chloroethyl)Ether	900U ug/kg	1-BUTENE, 2,3,3-TRIMET+	690NJ* ug/kg		
bis(2-Chloroethoxy)Met+	900U ug/kg	2-HEXANOL	2500NJ* ug/kg		
BIS(2-ETHYLHEXYL) PHTH+	900U ug/kg	CYCLOPENTANOL, 1-METHY+	2800NJ* ug/kg		

(Sample Complete)

24-NOV-92
13:15:56EPA Region X Lab Management System
Sample/Project Analysis Results

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Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352366

Description: SS02-1

Source: Sediment (General)

Begin Date: 92/08/26 11:35

B/N/Acid Scan	Sediment Result	Units	B/N/Acid Scan *** Continued ***	Sediment Result	Units	Tent Ident - B/N/Aci *** Continued ***	Sediment Result	Units
Benzo(a)pyrene	480U	ug/kg	Di-n-Octyl Phthalate	480U	ug/kg	1-HENEICOSYL FORMATE	1200NJ*	ug/kg
2,4-Dinitrophenol	6200UJ	ug/kg	Hexachlorobenzene	480UJ	ug/kg			
Dibenzo(a,h)anthracene	1200U	ug/kg	Anthracene	26J*	ug/kg			
Benzo(a)anthracene	100J*	ug/kg	1,2,4-Trichlorobenzene	480U	ug/kg			
4-Chloro-3-Methylphenol	2400UJ	ug/kg	2,4-Dichlorophenol	480UJ	ug/kg			
Benzoic acid	6200UJ	ug/kg	2,4-Dinitrotoluene	1200UJ	ug/kg			
Hexachloroethane	480U	ug/kg	Pyrene	240J*	ug/kg			
Hexachlorocyclopentadi+	2400UJ	ug/kg	Dimethylphthalate	480U	ug/kg			
Isophorone	480U	ug/kg	Dibenzofuran	480U	ug/kg			
Acenaphthene	26JN*	ug/kg	Benzo(ghi)perylene	480U	ug/kg			
Diethylphthalate	480U	ug/kg	Indeno(1,2,3-cd)pyrene	480U	ug/kg			
Di-n-Butylphthalate	480U	ug/kg	Benzo(b)fluoranthene	110JN*	ug/kg			
Phenanthrone	160J*	ug/kg	Fluoranthene	110J*	ug/kg			
Butylbenzylphthalate	41NJ*	ug/kg	Benzo(k)fluoranthene	480UJ	ug/kg			
N-Nitrosodiphenylamine	6200UJ	ug/kg	Acenaphthylene	480U	ug/kg			
Fluorene	480U	ug/kg	Chrysene	160NJ*	ug/kg			
Carbazole	2400UJ	ug/kg	Retene	480U	ug/kg			
Hexachlorobutadiene	1200U	ug/kg	4,6-Dinitro-2-methylph+	6200UJ	ug/kg			
Pentachlorophenol	2400UJ	ug/kg	1,3-Dichlorobenzene	480U	ug/kg			
2,4,6-Trichlorophenol	1200UJ	ug/kg	2,6-Dinitrotoluene	1200U	ug/kg			
2-Nitroaniline	1200U	ug/kg	N-Nitroso-di-n-Propylat+	480U	ug/kg			
2-Nitrophenol	1200UJ	ug/kg	4-Chlorophenyl-phenyle+	480UJ	ug/kg			
Naphthalene, 1-Methyl-	66JN*	ug/kg	BIS(2OCHLOROISOPROPYL)+	480U	ug/kg			
Naphthalene	22JN*	ug/kg	Surrog: 2-Fluorobiphen+	95	% Recov			
2-Methylnaphthalene	32J*	ug/kg	Surrog: 2-Fluorophenol	12	% Recov			
2-Chloronaphthalene	480U	ug/kg	Surrog: D14-Terphenyl	100	% Recov			
3,3'-Dichlorobenzidine	12000U	ug/kg	PYRENE-D10 (SS)	71	% Recov			
2-Methylphenol	480UJ	ug/kg	Surrog: D5-Nitrobenzene	46	% Recov			
1,2-Dichlorobenzene	480U	ug/kg	Surrog: D5-Phenol	17	% Recov			
o-Chlorophenol (2-Chlo+	480UJ	ug/kg						
2,4,5-Trichlorophenol	2400UJ	ug/kg						
Nitrobenzene	480U	ug/kg						
3-Nitroaniline	6200UJ	ug/kg						
4-Nitroaniline	6200UJ	ug/kg						
4-Nitrophenol	6200UJ	ug/kg						
Benzyl Alcohol	2400UJ	ug/kg	.GAMMA.-SITOSTEROL	1600NJ*	ug/kg			
4-Bromophenyl-phenyle+	480U	ug/kg	4-HYDROXY-4-METHYLPHENT+	10000NJ*	ug/kg			
2,4-Dimethylphenol	480UJ	ug/kg	3-PENTEN-2-ONE, 4-METH+	11000NJ*	ug/kg			
4-Methylphenol	480UJ	ug/kg	CHOLESTANE (VAN)	560NJ*	ug/kg			
1,4-Dichlorobenzene	480U	ug/kg	1-HEXACOSANOL	17000NJ*	ug/kg			
4-Chloroaniline	6200U	ug/kg	PENTATRIACONTANE	5210NJ*	ug/kg			
Phenol	480UJ	ug/kg	UNKNOWN HYDROCARBON 1	4900NJ*	ug/kg			
bis(2-Chloroethyl)Ether	480U	ug/kg	PENTANOIC ACID, 2-HYDR+	1400NJ*	ug/kg			
bis(2-Chloroethoxy)Met+	480U	ug/kg	TRICYCLO[4.3.0.07,9]NO+	1400NJ*	ug/kg			
BIS(2-ETHYLHEXYL) PHTH+	480U	ug/kg	2-OCTADECENAL	1600NJ*	ug/kg			

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352367

Description: SS02-2

Source: Sediment (General)

Begin Date: 92/08/26 11:35

B/N/Acid Scan	Sediment Result	Units	B/N/Acid Scan *** Continued	Sediment Result	Units	Tent Ident - B/N/Aci *** Continued	Sediment Result	Units
Benzo(a)pyrene	120U	ug/kg	Di-n-Octyl Phthalate	120UJ	ug/kg	UNKNOWN HYDROCARBON 3,	1600NJ*	ug/kg
2,4-Dinitrophenol	REJ	ug/kg	Hexachlorobenzene	120UJ	ug/kg	UNKNOWN HYDROCARBON 4	470NJ*	ug/kg
Dibenzo(a,h)anthracene	310U	ug/kg	Anthracene	120U	ug/kg	UNKNOWN HYDROCARBON 5	820NJ*	ug/kg
Benzo(a)anthracene	120U	ug/kg	1,2,4-Trichlorobenzene	120U	ug/kg	UNKNOWN HYDROCARBON 6	380NJ*	ug/kg
4-Chloro-3-Methylphenol	REJ	ug/kg	2,4-Dichlorophenol	REJ	ug/kg	UNKNOWN HYDROCARBON 7	100NJ*	ug/kg
Benzoic acid	REJ	ug/kg	2,4-Dinitrotoluene	310U	ug/kg	UNKNOWN COMPOUND 1	560NJ*	ug/kg
Hexachloroethane	120U	ug/kg	Pyrene	9NJ*	ug/kg	UNKNOWN COMPOUND 2	5800NJ*	ug/kg
Hexachlorocyclopentadi+	630U	ug/kg	Dimethylphthalate	120U	ug/kg	UNKNOWN COMPOUND 3	770NJ*	ug/kg
Isophorone	8NJ*	ug/kg	Dibenzofuran	120U	ug/kg	UNKNOWN COMPOUND 4	68NJ*	ug/kg
Acenaphthene	120U	ug/kg	Benzo(ghi)perylene	120U	ug/kg	UNKNOWN COMPOUND 5	230NJ*	ug/kg
Diethylphthalate	120U	ug/kg	Indeno(1,2,3-cd)pyrene	120U	ug/kg	UNKNOWN COMPOUND 6	160NJ*	ug/kg
Di-n-Butylphthalate	120U	ug/kg	Benzo(b)fluoranthene	120U	ug/kg	UNKNOWN COMPOUND 7	68NJ*	ug/kg
Phenanthrene	9NJ*	ug/kg	Fluoranthene	9J*	ug/kg	UNKNOWN COMPOUND 8	230NJ*	ug/kg
Butylbenzylphthalate	120U	ug/kg	Benzo(k)fluoranthene	120U	ug/kg	UNKNOWN COMPOUND 9	270NJ*	ug/kg
N-Nitrosodiphenylamine	17J*	ug/kg	Acenaphthylene	120U	ug/kg	UNKNOWN COMPOUND 10	210NJ*	ug/kg
Fluorene	120U	ug/kg	Chrysene	120U	ug/kg	UNKNOWN COMPOUND 11	300NJ*	ug/kg
Carbazole	630UJ	ug/kg	Retene	120U	ug/kg	UNKNOWN COMPOUND 12	250NJ*	ug/kg
Hexachlorobutadiene	310U	ug/kg	4,6-Dinitro-2-methylph+	REJ	ug/kg	UNKNOWN COMPOUND 13	800NJ*	ug/kg
Pentachlorophenol	REJ	ug/kg	1,3-Dichlorobenzene	120U	ug/kg	UNKNOWN COMPOUND 14	570NJ*	ug/kg
2,4,6-Trichlorophenol	REJ	ug/kg	2,6-Dinitrotoluene	310U	ug/kg	UNKNOWN COMPOUND-15	170NJ*	ug/kg
2-Nitroaniline	310U	ug/kg	N-Nitroso-di-n-Propylat+	120UJ	ug/kg	ETHANONE, 1-13-ETHYLOX+	650NJ*	ug/kg
2-Nitrophenol	REJ	ug/kg	4-Chlorophenyl-phenyle+	120U	ug/kg	1,2-BENZENEDICARBOXYLI+	75NJ*	ug/kg
Naphthalene, 1-Methyl-	120U	ug/kg	BIS(20CHLOROISOPROPYL)+	120UJ	ug/kg	HEXANE, 1-PROPOXY-	790NJ*	ug/kg
Naphthalene	120U	ug/kg	Surrog: 2-Fluorobiphen+	82	% Recov	2-NONANONE, 9-[(TETRAH+	830NJ*	ug/kg
2-Methylnaphthalene	120U	ug/kg	Surrog: 2-Fluorophenol	33	% Recov	1,8-NONANEDIOL, 8-METH+	730NJ*	ug/kg
2-Chloronaphthalene	120U	ug/kg	Surrog: D14-Terphenyl	94	% Recov	2-CYCLOHEXEN-1-ONE, 3,+	4120NJ*	ug/kg
3,3'-Dichlorobenzidine	3100U	ug/kg	PYRENE-D10 (SS)	92	% Recov	CYCLOPENTENE, 1,3-DIME+	1300NJ*	ug/kg
2-Methylphenol	REJ	ug/kg	Surrog: D5-Nitrobenzene	77	% Recov	2,6-DIMETHYL-6-NITRO-2+	460NJ*	ug/kg
1,2-Dichlorobenzene	120U	ug/kg	Surrog: D5-Phenol	0	% Recov			
o-Chlorophenol (2-Chlo+	REJ	ug/kg						
2,4,5-Trichlorophenol	REJ	ug/kg						
Nitrobenzene	120U	ug/kg						
3-Nitroaniline	REJ	ug/kg						
4-Nitroaniline	1600U	ug/kg						
4-Nitrophenol	REJ	ug/kg						
Benzyl Alcohol	630U	ug/kg	4-HYDROXY-4-METHYL PENT+	27000NJ*	ug/kg			
4-Bromophenyl-phenyle+	120U	ug/kg	PHENOL, 2-FLUORO-	510NJ*	ug/kg			
2,4-Dimethylphenol	REJ	ug/kg	2-Hexanone	1100NJ*	ug/kg			
4-Methylphenol	REJ	ug/kg	2-HEXANOL	1100NJ*	ug/kg			
1,4-Dichlorobenzene	120U	ug/kg	1-DOCOSANOL	480NJ*	ug/kg			
4-Chloroaniline	1600UJ	ug/kg	2-PROPANONE, 1-CYCLOHE+	430NJ*	ug/kg			
Phenol	REJ	ug/kg	3-PENTEN-2-ONE, 4-BUTO+	160NJ*	ug/kg			
bis(2-Chloroethyl)Ether	120U	ug/kg	2-HEPTANOL, ACETATE	4200NJ*	ug/kg			
bis(2-Chloroethoxy)Met+	120U	ug/kg	UNKNOWN HYDROCARBON 1	310NJ*	ug/kg			
BIS(2-ETHYLHEXYL) PHTH+	120U	ug/kg	UNKNOWN HYDROCARBON 2	260NJ*	ug/kg			

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352368

Description: SS03-1

Source: Sediment (General)

Begin Date: 92/08/26 11:45

B/N/Acid Scan	Sediment Result	Units	B/N/Acid Scan	Sediment Result	Units	Tent Ident	B/N/Aci	Sediment
			*** Continued ***			*** Continued ***	*** Continued ***	
Benzo(a)pyrene	440NJ*	ug/kg	Di-n-Octyl Phthalate	830U	ug/kg	1,1'-BIPHENYL, 4-METHY+	130000NJ*	ug/kg
2,4-Dinitrophenol	REJ	ug/kg	Hexachlorobenzene	830UJ	ug/kg	NAPHTHALENE, 2,3,6-TRI+	66000NJ*	ug/kg
Dibenzo(a,h)anthracene	2100U	ug/kg	Anthracene	120NJ*	ug/kg	2-CYCLOHEXEN-1-ONE, 3,+	470NJ*	ug/kg
Benzo(a)anthracene	3000 *	ug/kg	1,2,4-Trichlorobenzene	830U	ug/kg	7-OXABICYCLO[4.1.0]HEP+	250NJ*	ug/kg
4-Chloro-3-Methylphenol	REJ	ug/kg	2,4-Dichlorophenol	REJ	ug/kg	2,8-DIMETHYLDIBENZO(B,+	110000NJ*	ug/kg
Benzoic acid	REJ	ug/kg	2,4-Dinitrotoluene	2100U	ug/kg	9H-FLUORENE, 2-METHYL-	14000NJ*	ug/kg
Hexachloroethane	830U	ug/kg	Pyrene	7000 *	ug/kg	CYCLOPENTANOL, 1-METHY+	3500NJ*	ug/kg
Hexachlorocyclopentadi+	4300U	ug/kg	Dimethylphthalate	830U	ug/kg	1,1'-BIPHENYL, 2-ETHYL-	30000NJ*	ug/kg
Isophorone	830U	ug/kg	Dibenzofuran	830U	ug/kg	NAPHTHALENE, 2-(1-METH+	90000NJ*	ug/kg
Acenaphthene	2700NJ*	ug/kg	Benzo(ghi)perylene	830U	ug/kg	NAPHTHALENE, 1,4,5-TRI+	70000NJ*	ug/kg
Diethylphthalate	830U	ug/kg	Indeno(1,2,3-cd)pyrene	190NJ*	ug/kg	NAPHTHALENE, 1,4,6-TRI+	50000NJ*	ug/kg
Di-n-Butylphthalate	830U	ug/kg	Benzo(b)fluoranthene	1000NJ*	ug/kg	NAPHTHALENE, 1,6,7-TRI+	110000NJ*	ug/kg
Phenanthrene	14000 *	ug/kg	Fluoranthene	5700NJ*	ug/kg	NAPHTHALENE, 1-(2-PROP+	57000NJ*	ug/kg
Butylbenzylphthalate	2100U	ug/kg	Benzo(k)fluoranthene	830U	ug/kg	2-HEXANONE, 6-(ACETYL)+	1400NJ*	ug/kg
N-Nitrosodiphenylamine	11000UJ	ug/kg	Acenaphthylene	30NJ*	ug/kg	UNKNOWN HYDROCARBON 1	44000NJ*	ug/kg
Fluorene	3000 *	ug/kg	Chrysene	3300 *	ug/kg	UNKNOWN HYDROCARBON 2	89000NJ*	ug/kg
Carbazole	4300UJ	ug/kg	Retene	830U	ug/kg	UNKNOWN HYDROCARBON 3	55000NJ*	ug/kg
Hexachlorobutadiene	2100U	ug/kg	4,6-Dinitro-2-methylph+	REJ	ug/kg	UNKNOWN COMPOUND 1	2800NJ*	ug/kg
Pentachlorophenol	REJ	ug/kg	1,3-Dichlorobenzene	830U	ug/kg	UNKNOWN COMPOUND 2	660NJ*	ug/kg
2,4,6-Trichlorophenol	REJ	ug/kg	2,6-Dinitrotoluene	2100U	ug/kg	UNKNOWN COMPOUND 3	630NJ*	ug/kg
2-Nitroaniline	2100U	ug/kg	N-Nitroso-di-n-Propyl+	830UJ	ug/kg	UNKNOWN COMPOUND 4	1400NJ*	ug/kg
2-Nitrophenol	REJ	ug/kg	4-Chlorophenyl-phenyle+	830U	ug/kg	UNKNOWN COMPOUND 5	770NJ*	ug/kg
Naphthalene, 1-Methyl-	26000 *	ug/kg	BIS(2OCHLOROISOPROPYL)+	830UJ	ug/kg	UNKNOWN COMPOUND 6	850NJ*	ug/kg
Naphthalene	2700NJ*	ug/kg	Surrog: 2-Fluorobiphen+	138	% Recov	UNKNOWN COMPOUND 7	1100NJ*	ug/kg
2-Methylnaphthalene	15000 *	ug/kg	Surrog: 2-Fluorophenol	41	% Recov	UNKNOWN COMPOUND 8	5600NJ*	ug/kg
2-Chloronaphthalene	830U	ug/kg	Surrog: D14-Terphenyl	91	% Recov	UNKNOWN COMPOUND 9	12000NJ*	ug/kg
3,3'-Dichlorobenzidine	21000U	ug/kg	PYRENE-D10 (SS)	84	% Recov	UNKNOWN COMPOUND 10	2500NJ*	ug/kg
2-Methylphenol	REJ	ug/kg	Surrog: D5-Nitrobenzene	101	% Recov	UNKNOWN COMPOUND 11	430NJ*	ug/kg
1,2-Dichlorobenzene	830U	ug/kg	Surrog: D5-Phenol	0	% Recov	UNKNOWN COMPOUND 12	1500NJ*	ug/kg
o-Chlorophenol (2-Chlo+	REJ	ug/kg				UNKNOWN COMPOUND 13	850NJ*	ug/kg
2,4,5-Trichlorophenol	REJ	ug/kg				UNKNOWN COMPOUND 14	2400NJ*	ug/kg
Nitrobenzene	830U	ug/kg				UNKNOWN COMPOUND-15	6700NJ*	ug/kg
3-Nitroaniline	REJ	ug/kg				BENZENE, 1,1'-[(METHYL+	14000NJ*	ug/kg
4-Nitroaniline	11000U	ug/kg				DIBENZOTHIOPHENE, 3-ME+	21000NJ*	ug/kg
4-Nitrophenol	REJ	ug/kg				NAPHTHALENE, 1-(1,1-DI+	320000NJ*	ug/kg
Benzyl Alcohol	4300U	ug/kg				1-PHENANTHRENEMETHANOL+	900NJ*	ug/kg
4-Bromophenyl-phenyle+	830U	ug/kg				1,3-DIOXOLANE-2-PROPAN+	2500NJ*	ug/kg
2,4-Dimethylphenol	REJ	ug/kg				METHYLDIBENZOTHIOPHENE	15000NJ*	ug/kg
4-Methylphenol	REJ	ug/kg				1-HEXADECANOL	2900NJ*	ug/kg
1,4-Dichlorobenzene	830U	ug/kg				1-HEXADECANOL	2300NJ*	ug/kg
4-Chloroaniline	11000UJ	ug/kg				HEPTADECANE, 2,6-DIMET+	1900NJ*	ug/kg
Phenol	REJ	ug/kg				IRON, TRICARBONYL[N-PH+]	1500NJ*	ug/kg
bis(2-Chloroethyl)Ether	830U	ug/kg						
bis(2-Chloroethoxy)Met+	830U	ug/kg						
BIS(2-ETHYLHEXYL) PHTH+	830U	ug/kg						

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352369

Description: SS03-2

Source: Sediment (General)

Begin Date: 92/08/26 11:45

B/N/Acid Scan	Sediment	B/N/Acid Scan	Sediment	Tent Ident - B/N/Aci	Sediment
	Result Units	*** Continued ***	Result Units	*** Continued ***	Result Units
Benzo(a)pyrene	740J* ug/kg	Di-n-Octyl Phthalate	790UJ ug/kg	NAPHTHALENE, 1,3,6-TRI+	17000NJ* ug/kg
2,4-Dinitrophenol	10000UJ ug/kg	Hexachlorobenzene	790UJ ug/kg	2-PENTANONE, 3-(PHENYL+	1300NJ* ug/kg
Dibenzo(a,h)anthracene	2000U ug/kg	Anthracene	2600J* ug/kg	UNKNOWN HYDROCARBON 1	32000NJ* ug/kg
Benzo(a)anthracene	2200 * ug/kg	1,2,4-Trichlorobenzene	790U ug/kg	UNKNOWN HYDROCARBON 9	51000NJ* ug/kg
4-Chloro-3-Methylphenol	4100U ug/kg	2,4-Dichlorophenol	790U ug/kg	UNKNOWN COMPOUND 1	23000NJ* ug/kg
Benzoic acid	10000UJ ug/kg	2,4-Dinitrotoluene	2000U ug/kg	UNKNOWN COMPOUND 2	3400NJ* ug/kg
Hexachloroethane	790U ug/kg	Pyrene	5900 * ug/kg	UNKNOWN COMPOUND 3	36000NJ* ug/kg
Hexachlorocyclopentadi+	4100UJ ug/kg	Dimethylphthalate	790U ug/kg	UNKNOWN COMPOUND 4	42000NJ* ug/kg
Isophorone	790U ug/kg	Dibenzofuran	790U ug/kg	UNKNOWN COMPOUND 5	3200NJ* ug/kg
Acenaphthene	8700JN* ug/kg	Benzo(ghi)perylene	790U ug/kg	UNKNOWN COMPOUND 6	3500NJ* ug/kg
Diethylphthalate	790U ug/kg	Indeno(1,2,3-cd)pyrene	790U ug/kg	UNKNOWN COMPOUND 7	9000NJ* ug/kg
Di-n-Butylphthalate	790U ug/kg	Benzo(b)fluoranthene	470J* ug/kg	UNKNOWN COMPOUND 8	6600NJ* ug/kg
Phenanthrene	31000 * ug/kg	Fluoranthene	1700 * ug/kg	UNKNOWN COMPOUND 10	15000NJ* ug/kg
Butylbenzylphthalate	2000U ug/kg	Benzo(k)fluoranthene	790UJ ug/kg	UNKNOWN COMPOUND 11	410NJ* ug/kg
N-Nitrosodiphenylamine	10000UJ ug/kg	Acenaphthylene	790U ug/kg	UNKNOWN COMPOUND 12	280NJ* ug/kg
Fluorene	11000 * ug/kg	Chrysene	2500 * ug/kg	UNKNOWN COMPOUND 13	730NJ* ug/kg
Carbazole	4100UJ ug/kg	Retene	790U ug/kg	UNKNOWN COMPOUND 14	640NJ* ug/kg
Hexachlorobutadiene	2000UJ ug/kg	4,6-Dinitro-2-methylph+	10000UJ ug/kg	UNKNOWN COMPOUND-15	580NJ* ug/kg
Pentachlorophenol	4100U ug/kg	1,3-Dichlorobenzene	790U ug/kg	UNKNOWN COMPOUND-16	1300NJ* ug/kg
2,4,6-Trichlorophenol	2000U ug/kg	2,6-Dinitrotoluene	2000U ug/kg	UNKNOWN COMPOUND-17	950NJ* ug/kg
2-Nitroaniline	2000U ug/kg	N-Nitroso-di-n-Propylat	790U ug/kg	UNKNOWN COMPOUND-18	1200NJ* ug/kg
2-Nitrophenol	2000U ug/kg	4-Chlorophenyl-phenyle+	790UJ ug/kg	UNKNOWN COMPOUND-19	680NJ* ug/kg
Naphthalene, 1-Methyl-	55000 * ug/kg	BIS(2OCHLOROISOPROPYL)+	790U ug/kg	UNKNOWN COMPOUND-20	1400NJ* ug/kg
Naphthalene	6000 * ug/kg	Surrog: 2-Fluorobiphen+	125 % Recov	UNKNOWN COMPOUND	2500NJ* ug/kg
2-Methylnaphthalene	46000 * ug/kg	Surrog: 2-Fluorophenol	10 % Recov	UNKNOWN COMPOUND	850NJ* ug/kg
2-Chloronaphthalene	790U ug/kg	Surrog: D14-Terphenyl	84 % Recov	UNKNOWN COMPOUND	590NJ* ug/kg
3,3'-Dichlorobenzidine	20000U ug/kg	PYRENE-D10 (SS)	75 % Recov	HEPTADECANE, 2,6-DIMET+	1900NJ* ug/kg
2-Methylphenol	790U ug/kg	Surrog: D5-Nitrobenzene	70 % Recov	NAPHTHALENE, 2-METHYL-+	11000NJ* ug/kg
1,2-Dichlorobenzene	790U ug/kg	Surrog: D5-Phenol	28 % Recov	2,6-DIMETHYL-6-NITRO-2+	780NJ* ug/kg
o-Chlorophenol (2-Chlo+	790U ug/kg			IRON, TRICARBONYL[N-PH+	1800NJ* ug/kg
2,4,5-Trichlorophenol	4000UJ ug/kg				
Nitrobenzene	790U ug/kg				
3-Nitroaniline	10000UJ ug/kg				
4-Nitroaniline	10000U ug/kg				
4-Nitrophenol	10000U ug/kg				
Benzyl Alcohol	4100UJ ug/kg				
4-Bromophenyl-phenylet+	790U ug/kg				
2,4-Dimethylphenol	790U ug/kg				
4-Methylphenol	790U ug/kg				
1,4-Dichlorobenzene	790U ug/kg				
4-Chloroaniline	10000U ug/kg				
Phenol	790U ug/kg				
bis(2-Chloroethyl)Ether	790U ug/kg				
bis(2-Chloroethoxy)Met+	790U ug/kg				
BIS(2-ETHYLHEXYL) PHTH+	6100J* ug/kg				

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352370

Description: SS04-1

Source: Sediment (General)

Begin Date: 92/08/26 12:00

B/N/Acid Scan	Sediment	Result	Units	B/N/Acid Scan	Sediment	Result	Units	Tent Ident - B/N/Aci	Sediment	Result	Units
				*** Continued ***				*** Continued ***			
Benzo(a)pyrene	680U	ug/kg		Di-n-Octyl Phthalate	680U	ug/kg		2-HEXANONE, 6-BROMO-	1900NJ*	ug/kg	
2,4-Dinitrophenol	8900UJ	ug/kg		Hexachlorobenzene	680UJ	ug/kg		ETHANONE, 1-13-ETHYLOX+	620NJ*	ug/kg	
Dibenzo(a,h)anthracene	1700U	ug/kg		Anthracene	38J*	ug/kg		BUTANE, 2,2-DICHLORO-3+	250NJ*	ug/kg	
Benzo(a)anthracene	680U	ug/kg		1,2,4-Trichlorobenzene	680U	ug/kg		1,3-DIOXOLANE-2-PROPAN+	2600NJ*	ug/kg	
4-Chloro-3-Methylphenol	3500U	ug/kg		2,4-Dichlorophenol	680U	ug/kg		2-BUTANONE, 3-METHOXY-	140NJ*	ug/kg	
Benzoic acid	8900UJ	ug/kg		2,4-Dinitrotoluene	1700U	ug/kg		1,E-4,Z-8-DODECATRIENE	270NJ*	ug/kg	
Hexachloroethane	680U	ug/kg		Pyrene	110J*	ug/kg					
Hexachlorocyclopentadi+	3500UJ	ug/kg		Dimethylphthalate	680U	ug/kg					
Isophorone	13J*	ug/kg		Dibenzofuran	62J*	ug/kg					
Acenaphthene	680U	ug/kg		Benzo(ghi)perylene	680U	ug/kg					
Diethylphthalate	680U	ug/kg		Indeno(1,2,3-cd)pyrene	680U	ug/kg					
Di-n-Butylphthalate	680U	ug/kg		Benzo(b)fluoranthene	680U	ug/kg					
Phenanthrene	220J*	ug/kg		Fluoranthene	120J*	ug/kg					
Butylbenzylphthalate	1700U	ug/kg		Benzo(k)fluoranthene	680UJ	ug/kg					
N-Nitrosodiphenylamine	27J*	ug/kg		Acenaphthylene	680U	ug/kg					
Fluorene	680U	ug/kg		Chrysene	680U	ug/kg					
Carbazole	3500UJ	ug/kg		Retene	140J*	ug/kg					
Hexachlorobutadiene	1700U	ug/kg		4,6-Dinitro-2-methylph+	8900UJ	ug/kg					
Pentachlorophenol	3500U	ug/kg		1,3-Dichlorobenzene	680U	ug/kg					
2,4,6-Trichlorophenol	1700U	ug/kg		2,6-Dinitrotoluene	1700U	ug/kg					
2-Nitroaniline	1700U	ug/kg		N-Nitroso-di-n-Propylat+	680UJ	ug/kg					
2-Nitrophenol	1700U	ug/kg		4-Chlorophenyl-phenyle+	680U	ug/kg					
Naphthalene, 1-Methyl-	150J*	ug/kg		BIS(2OCHLOROISOPROPYL)+	680UJ	ug/kg					
Naphthalene	93J*	ug/kg		Surrog: 2-Fluorobiphen+	102	% Recov					
2-Methylnaphthalene	150J*	ug/kg		Surrog: 2-Fluorophenol	29	% Recov					
2-Chloronaphthalene	680U	ug/kg		Surrog: D14-Terphenyl	107	% Recov					
3,3'-Dichlorobenzidine	17000U	ug/kg		PYRENE-D10 (SS)	58	% Recov					
2-Methylphenol	680U	ug/kg		Surrog: D5-Nitrobenzene	73	% Recov					
1,2-Dichlorobenzene	680U	ug/kg		Surrog: D5-Phenol	28	% Recov					
o-Chlorophenol (2-Chlo+	680U	ug/kg									
2,4,5-Trichlorophenol	3500U	ug/kg									
Nitrobenzene	680U	ug/kg									
3-Nitroaniline	8900UJ	ug/kg									
4-Nitroaniline	8900U	ug/kg									
4-Nitrophenol	8900U	ug/kg									
Benzyl Alcohol	3500U	ug/kg		ETHANE, 1,1,2,2-TETRAC+	1600NJ*	ug/kg					
4-Bromophenyl-phenylet+	680UJ	ug/kg		4-HYDROXY-4-METHYLPHENT+	9300NJ*	ug/kg					
2,4-Dimethylphenol	680U	ug/kg		1-BUTENE, 2,3,3-TRIMET+	850NJ*	ug/kg					
4-Methylphenol	680U	ug/kg		2-CYCLOHEXEN-1-ONE, 3,+	270NJ*	ug/kg					
1,4-Dichlorobenzene	680U	ug/kg		1,3-DIOXOLANE, 2,2,4-T+	340NJ*	ug/kg					
4-Chloroaniline	8900U	ug/kg		UNKNOWN HYDROCARBON 1	1080NJ*	ug/kg					
Phenol	680U	ug/kg		UNKNOWN COMPOUND 1	1300NJ*	ug/kg					
bis(2-Chloroethyl)Ether	680U	ug/kg		UNKNOWN COMPOUND 2	440NJ*	ug/kg					
bis(2-Chloroethoxy)Met+	680U	ug/kg		UNKNOWN COMPOUND 3	170NJ*	ug/kg					
BIS(2-ETHYLHEXYL) PHTH+	680U	ug/kg		UNKNOWN COMPOUND 4	500NJ*	ug/kg					

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352371

Description: SS04-2

Source: Sediment (General)

Begin Date: 92/08/26 12:00

B/N/Acid Scan	Sediment	B/N/Acid Scan	Sediment	B/N/Acid Scan	Sediment
	Result Units	*** Continued ***	Result Units	*** Continued ***	Matrix Spike #1 Result Units
Benzo(a)pyrene	16NJ* ug/kg	Di-n-Octyl Phthalate	260U ug/kg	Diethylphthalate	0.6 % Recov
2,4-Dinitrophenol	3500UJ ug/kg	Hexachlorobenzene	260UJ ug/kg	Di-n-Butylphthalate	0.5 % Recov
Dibenzo(a,h)anthracene	670UJ ug/kg	Anthracene	3J* ug/kg	Phenanthrene	0.2U % Recov
Benzo(a)anthracene	28NJ* ug/kg	1,2,4-Trichlorobenzene	260UJ ug/kg	Butylbenzylphthalate	0.7J % Recov
4-Chloro-3-Methylphenol	1400UJ ug/kg	2,4-Dichlorophenol	260UJ ug/kg	N-Nitrosodiphenylamine	0.8J % Recov
Benzoic acid	3500UJ ug/kg	2,4-Dinitrotoluene	670UJ ug/kg	Fluorene	0.0001U % Recov
Hexachloroethane	260UJ ug/kg	Pyrene	39J* ug/kg	Carbazole	0.0007UJ % Recov
Hexachlorocyclopentadi+	1400UJ ug/kg	Dimethylphthalate	260UJ ug/kg	Hexachlorobutadiene	0.0003U % Recov
Isophorone	47J* ug/kg	Dibenzofuran	5J* ug/kg	Pentachlorophenol	0.0007U % Recov
Acenaphthene	260UJ ug/kg	Benzo(ghi)perylene	260UJ ug/kg	2,4,6-Trichlorophenol	0.0003U % Recov
Diethylphthalate	260UJ ug/kg	Indeno(1,2,3-cd)pyrene	16NJ* ug/kg	2-Nitroaniline	25 % Recov
Di-n-Butylphthalate	260UJ ug/kg	Benzo(b)fluoranthene	43J* ug/kg	2-Nitrophenol	0.0003U % Recov
Phenanthrene	27J* ug/kg	Fluoranthene	50J* ug/kg	Naphthalene, 1-Methyl-	0.0001U % Recov
Butylbenzylphthalate	670UJ ug/kg	Benzo(k)fluoranthene	20NJ* ug/kg	Naphthalene	0.0001U % Recov
N-Nitrosodiphenylamine	3500UJ ug/kg	Acenaphthylene	260UJ ug/kg	2-Methylnaphthalene	0.0001U % Recov
Fluorene	2J* ug/kg	Chrysene	32J* ug/kg	2-Chloronaphthalene	0.0001U % Recov
Carbazole	1400UJ ug/kg	Retene	37NJ* ug/kg	3,3'-Dichlorobenzidine	0.003U % Recov
Hexachlorobutadiene	670UJ ug/kg	4,6-Dinitro-2-methylph+	3500UJ ug/kg	2-Methylphenol	24 % Recov
Pentachlorophenol	1400UJ ug/kg	1,3-Dichlorobenzene	260UJ ug/kg	1,2-Dichlorobenzene	0.0001U % Recov
2,4,6-Trichlorophenol	670UJ ug/kg	2,6-Dinitrotoluene	670UJ ug/kg	o-Chlorophenol (2-Chlo+	20 % Recov
2-Nitroaniline	670UJ ug/kg	N-Nitroso-di-n-Propylat	260UJ ug/kg	2,4,5-Trichlorophenol	0.0007U % Recov
2-Nitrophenol	670UJ ug/kg	4-Chlorophenyl-phenyle+	260UJ ug/kg	Nitrobenzene	0.0001U % Recov
Naphthalene, 1-Methyl-	14NJ* ug/kg	BIS(20CHLOROISOPROPYL)+	260UJ ug/kg	3-Nitroaniline	0.002UJ % Recov
Naphthalene	11J* ug/kg	Surrog: 2-Fluorobiphen+	24 % Recov	4-Nitroaniline	0.002U % Recov
2-Methylnaphthalene	16J* ug/kg	Surrog: 2-Fluorophenol	24 % Recov	4-Nitrophenol	0.002U % Recov
2-Chloronaphthalene	260UJ ug/kg	Surrog: D14-Terphenyl	28 % Recov	Benzyl Alcohol	32 % Recov
3,3'-Dichlorobenzidine	6700UJ ug/kg	PYRENE-D10 (SS)	21 % Recov	4-Bromophenyl-phenyle+	0.0001U % Recov
2-Methylphenol	260UJ ug/kg	Surrog: D5-Nitrobenzene	18 % Recov	2,4-Dimethylphenol	16 % Recov
1,2-Dichlorobenzene	260UJ ug/kg	Surrog: D5-Phenol	17 % Recov	4-Methylphenol	20 % Recov
o-Chlorophenol (2-Chlo+	260UJ ug/kg			1,4-Dichlorobenzene	0.0001U % Recov
2,4,5-Trichlorophenol	1300UJ ug/kg			4-Chloroaniline	0.002U % Recov
Nitrobenzene	260UJ ug/kg			Phenol	18 % Recov
3-Nitroaniline	3500UJ ug/kg			bis(2-Chloroethyl)Ether	0.0001U % Recov
4-Nitroaniline	3500UJ ug/kg			bis(2-Chloroethoxy)Met+	0.0001U % Recov
4-Nitrophenol	3500UJ ug/kg			BIS(2-ETHYLHEXYL) PHTH+	0.6J % Recov
Benzyl Alcohol	1400UJ ug/kg	Benzo(a)pyrene	0.3 % Recov	Di-n-Octyl Phthalate	0.6J % Recov
4-Bromophenyl-phenyle+	260UJ ug/kg	2,4-Dinitrophenol	0.002UJ % Recov	Hexachlorobenzene	0.0001U % Recov
2,4-Dimethylphenol	260UJ ug/kg	Dibenzo(a,h)anthracene	0.0003U % Recov	Anthracene	0.2 % Recov
4-Methylphenol	260UJ ug/kg	Benzo(a)anthracene	0.5 % Recov	1,2,4-Trichlorobenzene	0.0001U % Recov
1,4-Dichlorobenzene	260UJ ug/kg	4-Chloro-3-Methylphenol	25J % Recov	2,4-Dichlorophenol	10 % Recov
4-Chloroaniline	3500UJ ug/kg	Benzoic acid	0.002UJ % Recov	2,4-Dinitrotoluene	0.0003U % Recov
Phenol	260UJ ug/kg	Hexachloroethane	0.0001U % Recov	Pyrene	0.3 % Recov
bis(2-Chloroethyl)Ether	260UJ ug/kg	Hexachlorocyclopentadi+	0.0007UJ % Recov	Dimethylphthalate	0.5 % Recov
bis(2-Chloroethoxy)Met+	260UJ ug/kg	Isophorone	40 % Recov	Dibenzofuran	0.0001U % Recov
BIS(2-ETHYLHEXYL) PHTH+	1300UJ ug/kg	Acenaphthene	0.0001U % Recov		

(Continued on next page)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352371

Description: SS04-2

Source: Sediment (General)

Begin Date: 92/08/26 12:00

B/N/Acid Scan				B/N/Acid Scan				B/N/Acid Scan			
*** Continued ***				*** Continued ***				*** Continued ***			
Matrix Spike #1	Sediment	Result	Units	Matrix Spike #2	Sediment	Result	Units	Matrix Spike #2	Sediment	Result	Units
Benzo(ghi)perylene	0.0001U	% Recov		2,4,6-Trichlorophenol	0.0003U	% Recov		1,3-Dichlorobenzene	0.0001U	% Recov	
Indeno(1,2,3-cd)pyrene	0.0001U	% Recov		2-Nitroaniline	36	% Recov		2,6-Dinitrotoluene	0.0003U	% Recov	
Benzo(b)fluoranthene	0.3	% Recov		2-Nitrophenol	0.0003U	% Recov		N-Nitroso-di-n-Propylate	30	% Recov	
Fluoranthene	0.3	% Recov		Naphthalene, 1-Methyl-	0.0001U	% Recov		4-Chlorophenyl-phenyle+	0.0001U	% Recov	
Benzo(k)fluoranthene	0.6	% Recov		Naphthalene	0.0001U	% Recov		BIS(20CHLOROISOPROPYL)+	0.0001U	% Recov	
Acenaphthylene	0.2	% Recov		2-Methylnaphthalene	0.0001U	% Recov		Surrog: 2-Fluorobiphen+	0	% Recov	
Chrysene	0.6	% Recov		2-Chloronaphthalene	0.0001U	% Recov		Surrog: 2-Fluorophenol	19	% Recov	
Retene	0.3	% Recov		3,3'-Dichlorobenzidine	0.003U	% Recov		Surrog: D14-Terphenyl	2	% Recov	
4,6-Dinitro-2-methylph+	0.002UJ	% Recov		2-Methylphenol	26	% Recov		PYRENE-D10 (SS)	1	% Recov	
1,3-Dichlorobenzene	0.0001U	% Recov		1,2-Dichlorobenzene	0.0001U	% Recov		Surrog: D5-Nitrobenzene	0	% Recov	
2,6-Dinitrotoluene	0.0003U	% Recov		o-Chlorophenol (2-Chlo+	23	% Recov		Surrog: D5-Phenol	36	% Recov	
N-Nitroso-di-n-Propylate	27	% Recov		2,4,5-Trichlorophenol	0.0007U	% Recov					
4-Chlorophenyl-phenyle+	0.0001U	% Recov		Nitrobenzene	0.0001U	% Recov		Tent Ident - B/N/Aci		Sediment	
BIS(20CHLOROISOPROPYL)+	0.0001U	% Recov		3-Nitroaniline	24J	% Recov		Result		Units	
Surrog: 2-Fluorobiphen+	0	% Recov		4-Nitroaniline	10J	% Recov		ETHANE, 1,1,2,2-TETRAC+	1300NJ*	ug/kg	
Surrog: 2-Fluorophenol	22	% Recov		4-Nitrophenol	0.002U	% Recov		.GAMMA.-SITOSTEROL	690NJ*	ug/kg	
Surrog: D14-Terphenyl	14	% Recov		Benzyl Alcohol	35	% Recov		4-HYDROXY-4-METHYL PENT+	1900NJ*	ug/kg	
PYRENE-D10 (SS)	0	% Recov		4-Bromophenyl-phenyle+	0.0001U	% Recov		1-BUTENE, 2,3,3-TRIMET+	1300NJ*	ug/kg	
Surrog: D5-Nitrobenzene	0	% Recov		2,4-Dimethylphenol	14	% Recov		1-DOCOSANOL	420NJ*	ug/kg	
Surrog: D5-Phenol	36	% Recov		4-Methylphenol	22	% Recov		2-HEXANONE, 6-(ACETYL)-	2500NJ*	ug/kg	
				1,4-Dichlorobenzene	0.0001U	% Recov		UNKNOWN COMPOUND 1	390NJ*	ug/kg	
				4-Chloroaniline	0.002U	% Recov		UNKNOWN COMPOUND 2	210NJ*	ug/kg	
				Phenol	19	% Recov		UNKNOWN COMPOUND 3	130NJ*	ug/kg	
				bis(2-Chloroethyl)Ether	0.0001U	% Recov		2-HEXANONE, 6-BROMO-	990NJ*	ug/kg	
				bis(2-Chloroethoxy)Met+	0.0001U	% Recov		ETHANONE, 1-13-ETHYLOX+	390NJ*	ug/kg	
				BIS(2-ETHYLHEXYL) PHTH+	0.4J	% Recov		DIPTALONE (USAN)	52NJ*	ug/kg	
				Di-n-Octyl Phthalate	0.5J	% Recov		1,3-DIOXOLANE-2-PROPAN+	3900NJ*	ug/kg	
				Hexachlorobenzene	0.0001U	% Recov		HEXANE, 1-PROPOXY-	1300NJ*	ug/kg	
				Anthracene	0.2	% Recov					
				1,2,4-Trichlorobenzene	0.0001U	% Recov					
				2,4-Dichlorophenol	8	% Recov					
				2,4-Dinitrotoluene	0.0003U	% Recov					
				Pyrene	0.2	% Recov					
				Dimethylphthalate	0.5	% Recov					
				Dibenofuran	0.0001U	% Recov					
				Benzo(ghi)perylene	0.0001U	% Recov					
				Indeno(1,2,3-cd)pyrene	0.0001U	% Recov					
				Benzo(b)fluoranthene	0.2	% Recov					
				Fluoranthene	0.2	% Recov					
				Benzo(k)fluoranthene	0.4	% Recov					
				Acenaphthylene	0.1	% Recov					
				Chrysene	0.3	% Recov					
				Retene	0.0001U	% Recov					
				4,6-Dinitro-2-methylph+	0.002UJ	% Recov					

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352372

Description: SS05-1

Source: Sediment (General)

Begin Date: 92/08/26 12:10

B/N/Acid Scan	Sediment	B/N/Acid Scan	Sediment	Tent Ident - B/N/Aci	Sediment
	Result Units		*** Continued ***		*** Continued ***
					Result Units
Benzo(a)pyrene	100U ug/kg	Di-n-Octyl Phthalate	100U ug/kg	2-CYCLOHEXEN-1-ONE, 3,+	370NJ* ug/kg
2,4-Dinitrophenol	1400UJ ug/kg	Hexachlorobenzene	100UJ ug/kg	PHENANTHRENE, 2-METHYL-	28NJ* ug/kg
Dibenzo(a,h)anthracene	260U ug/kg	Anthracene	13J* ug/kg	2-HEXANONE, 6-(ACETYLO+	1400NJ* ug/kg
Benzo(a)anthracene	100U ug/kg	1,2,4-Trichlorobenzene	100U ug/kg	HEXANEDIOIC ACID, MONO+	110NJ* ug/kg
4-Chloro-3-Methylphenol	540UJ ug/kg	2,4-Dichlorophenol	100UJ ug/kg	UNKNOWN HYDROCARBON 1	200NJ* ug/kg
Benzoic acid	1400UJ ug/kg	2,4-Dinitrotoluene	260U ug/kg	UNKNOWN HYDROCARBON 2	220NJ* ug/kg
Hexachloroethane	100U ug/kg	Pyrene	25J* ug/kg	UNKNOWN HYDROCARBON 3	280NJ* ug/kg
Hexachlorocyclopentadi+	540UJ ug/kg	Dimethylphthalate	100U ug/kg	UNKNOWN HYDROCARBON 4	300NJ* ug/kg
Isophorone	340J* ug/kg	Dibenzofuran	50J* ug/kg	UNKNOWN HYDROCARBON 5	600NJ* ug/kg
Acenaphthene	100U ug/kg	Benzo(ghi)perylene	100U ug/kg	UNKNOWN HYDROCARBON 6	89NJ* ug/kg
Diethylphthalate	100U ug/kg	Indeno(1,2,3-cd)pyrene	100U ug/kg	UNKNOWN COMPOUND 1	480NJ* ug/kg
Di-n-Butylphthalate	360U ug/kg	Benzo(b)fluoranthene	39J* ug/kg	UNKNOWN COMPOUND 2	380NJ* ug/kg
Phenanthrene	120 * ug/kg	Fluoranthene	67J* ug/kg	UNKNOWN COMPOUND 3	140NJ* ug/kg
Butylbenzylphthalate	260U ug/kg	Benzo(k)fluoranthene	100UJ ug/kg	UNKNOWN COMPOUND 4	4100NJ* ug/kg
N-Nitrosodiphenylamine	1400UJ ug/kg	Acenaphthylene	100U ug/kg	UNKNOWN COMPOUND 5	200NJ* ug/kg
Fluorene	100U ug/kg	Chrysene	40JN* ug/kg	UNKNOWN COMPOUND 6	79NJ* ug/kg
Carbazole	540UJ ug/kg	Retene	78JN* ug/kg	UNKNOWN COMPOUND 7	130NJ* ug/kg
Hexachlorobutadiene	260U ug/kg	4,6-Dinitro-2-methylph+	1400UJ ug/kg	UNKNOWN COMPOUND 8	23NJ* ug/kg
Pentachlorophenol	540UJ ug/kg	1,3-Dichlorobenzene	100U ug/kg	UNKNOWN COMPOUND 9	77NJ* ug/kg
2,4,6-Trichlorophenol	260UJ ug/kg	2,6-Dinitrotoluene	260U ug/kg	UNKNOWN COMPOUND 10	72NJ* ug/kg
2-Nitroaniline	260U ug/kg	N-Nitroso-di-n-Propylat+	100UJ ug/kg	UNKNOWN COMPOUND 11	200NJ* ug/kg
2-Nitrophenol	260UJ ug/kg	4-Chlorophenyl-phenyle+	100U ug/kg	UNKNOWN COMPOUND 12	170NJ* ug/kg
Naphthalene, 1-Methyl-	40J* ug/kg	BIS(20CHLOROISOPROPYL)+	100UJ ug/kg	UNKNOWN COMPOUND 13	370NJ* ug/kg
Naphthalene	110 * ug/kg	Surrog: 2-Fluorobiphen+	77 % Recov	UNKNOWN COMPOUND 14	65NJ* ug/kg
2-Methylnaphthalene	48J* ug/kg	Surrog: 2-Fluorophenol	17 % Recov	UNKNOWN COMPOUND-15	140NJ* ug/kg
2-Chloronaphthalene	100U ug/kg	Surrog: D14-Terphenyl	95 % Recov	UNKNOWN COMPOUND-16	540NJ* ug/kg
3,3'-Dichlorobenzidine	2600U ug/kg	PYRENE-D10 (SS)	39 % Recov	UNKNOWN COMPOUND-17	440NJ* ug/kg
2-Methylphenol	100UJ ug/kg	Surrog: D5-Nitrobenzene	62 % Recov	UNKNOWN COMPOUND-18	1400NJ* ug/kg
1,2-Dichlorobenzene	100U ug/kg	Surrog: D5-Phenol	19 % Recov	2-HEXANONE, 6-BROMO-	1200NJ* ug/kg
o-Chlorophenol (2-Chlo+	100UJ ug/kg			UNDECANE 5-CYCLOHEXYL-+	380NJ* ug/kg
2,4,5-Trichlorophenol	530UJ ug/kg			ETHANONE, 1-13-ETHYLOX+	570NJ* ug/kg
Nitrobenzene	100U ug/kg			1,3-DIOXOLANE-2-PROPAN+	1700NJ* ug/kg
3-Nitroaniline	1400UJ ug/kg			1,E-4,Z-8-DODECATRIENE	130NJ* ug/kg
4-Nitroaniline	1400U ug/kg				
4-Nitrophenol	1400UJ ug/kg				
Benzyl Alcohol	540U ug/kg	ETHANE, 1,1,2,2-TETRAC+	1200NJ* ug/kg		
4-Bromophenyl-phenylet+	100U ug/kg	CARYOPHYLLENE (VAN)	490NJ* ug/kg		
2,4-Dimethylphenol	100UJ ug/kg	2,5-HEXANEDIONE	380NJ* ug/kg		
4-Methylphenol	100UJ ug/kg	4-HYDROXY-4-METHYLPIENT+	7600NJ* ug/kg		
1,4-Dichlorobenzene	100U ug/kg	9-OCTADECENOIC ACID, 1+	57NJ* ug/kg		
4-Chloroaniline	1400U ug/kg	9H-FLUOREN-9-ONE	66NJ* ug/kg		
Phenol	100UJ ug/kg	1-HEXAOSANOL	960NJ* ug/kg		
bis(2-Chloroethyl)Ether	100U ug/kg	NAPHTHALENE, 2,3-DIMET+	76NJ* ug/kg		
bis(2-Chloroethoxy)Met+	100U ug/kg	1-BUTENE, 2,3,3-TRIMET+	900NJ* ug/kg		
BIS(2-ETHYLHEXYL) PHTH+	150U ug/kg	1-DOCOSANOL	550NJ* ug/kg		

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352373

Description: SS05-2

Source: Sediment (General)

Begin Date: 92/08/26 12:10

B/N/Acid Scan	Sediment	B/N/Acid Scan	Sediment	Tent Ident - B/N/Aci	Sediment
	Result Units	*** Continued ***	Result Units	*** Continued ***	Result Units
Benzo(a)pyrene	650 * ug/kg	Di-n-Octyl Phthalate	440U ug/kg	ANTHRACENE, 2-METHYL-	580NJ* ug/kg
2,4-Dinitrophenol	5700UJ ug/kg	Hexachlorobenzene	440U ug/kg	HEXANOIC ACID, ANHYDRI+	430NJ* ug/kg
Dibenzo(a,h)anthracene	170NJ* ug/kg	Anthracene	460J* ug/kg	2-HEXANONE, 6-(ACETYLO+)	12000NJ* ug/kg
Benzo(a)anthracene	770 * ug/kg	1,2,4-Trichlorobenzene	440U ug/kg	CYCLOPENTA(DEF)PHENANT+	1150NJ* ug/kg
4-Chloro-3-Methylphenol	2300U ug/kg	2,4-Dichlorophenol	440U ug/kg	UNKNOWN HYDROCARBON 1	1900NJ* ug/kg
Benzoic acid	5700UJ ug/kg	2,4-Dinitrotoluene	1100U ug/kg	UNKNOWN HYDROCARBON 2	3400NJ* ug/kg
Hexachloroethane	440U ug/kg	Pyrene	3400 * ug/kg	UNKNOWN HYDROCARBON 3	5300NJ* ug/kg
Hexachlorocyclopentadi+	2300UJ ug/kg	Dimethylphthalate	440U ug/kg	UNKNOWN COMPOUND 1	2200NJ* ug/kg
Isophorone	50J* ug/kg	Dibenzofuran	3400U ug/kg	UNKNOWN COMPOUND 2	6600NJ* ug/kg
Acenaphthene	440U ug/kg	Benzo(ghi)perylene	910 * ug/kg	UNKNOWN COMPOUND 3	1400NJ* ug/kg
Diethylphthalate	440U ug/kg	Indeno(1,2,3-cd)pyrene	930 * ug/kg	UNKNOWN COMPOUND 4	1100NJ* ug/kg
Di-n-Butylphthalate	440U ug/kg	Benzo(b)fluoranthene	2300 * ug/kg	UNKNOWN COMPOUND 5	1100NJ* ug/kg
Phenanthrene	6800 * ug/kg	Fluoranthene	3400 * ug/kg	UNKNOWN COMPOUND 6	28000NJ* ug/kg
Butylbenzylphthalate	1100U ug/kg	Benzo(k)fluoranthene	580 * ug/kg	UNKNOWN COMPOUND 7	900NJ* ug/kg
N-Nitrosodiphenylamine	92NJ* ug/kg	Acenaphthylene	440U ug/kg	2-HEXANONE, 6-BROMO-	5000NJ* ug/kg
Fluorene	68NJ* ug/kg	Chrysene	1800 * ug/kg	ETHANONE, 1-13-ETHYLOX+	7300NJ* ug/kg
Carbazole	350J* ug/kg	Retene	1600 * ug/kg	8,9-DIHYDROCYCLOPENTA[+	710NJ* ug/kg
Hexachlorobutadiene	1100U ug/kg	4,6-Dinitro-2-methylph+	5700UJ ug/kg	1,3-DIOXOLANE-2-PROPAN+	31000NJ* ug/kg
Pentachlorophenol	2300U ug/kg	1,3-Dichlorobenzene	440U ug/kg	2-PHENYLNAPHTHALENE	750NJ* ug/kg
2,4,6-Trichlorophenol	1100U ug/kg	2,6-Dinitrotoluene	1100U ug/kg		
2-Nitroaniline	1100U ug/kg	N-Nitroso-di-n-Propyla+	440UJ ug/kg		
2-Nitrophenol	1100U ug/kg	4-Chlorophenyl-phenyle+	440U ug/kg		
Naphthalene, 1-Methyl-	1900 * ug/kg	BIS(20CHLOROISOPROPYL)+	440UJ ug/kg		
Naphthalene	5700 * ug/kg	Surrog: 2-Fluorobiphen+	107 % Recov		
2-Methylnaphthalene	2500 * ug/kg	Surrog: 2-Fluorophenol	38 % Recov		
2-Chloronaphthalene	440U ug/kg	Surrog: D14-Terphenyl	114 % Recov		
3,3'-Dichlorobenzidine	11000U ug/kg	PYRENE-D10 (SS)	119 % Recov		
2-Methylphenol	440U ug/kg	Surrog: D5-Nitrobenzene	55 % Recov		
1,2-Dichlorobenzene	440U ug/kg	Surrog: D5-Phenol	40 % Recov		
o-Chlorophenol (2-Chlo+	440U ug/kg				
2,4,5-Trichlorophenol	2200U ug/kg				
Nitrobenzene	440UJ ug/kg				
3-Nitroaniline	5700UJ ug/kg				
4-Nitroaniline	5700UJ ug/kg				
4-Nitrophenol	5700UJ ug/kg				
Benzyl Alcohol	2300U ug/kg	9,10-ANTHRACENEDIONE	1300NJ* ug/kg		
4-Bromophenyl-phenyle+	440U ug/kg	CARYOPHYLLENE (VAN)	970NJ* ug/kg		
2,4-Dimethylphenol	440U ug/kg	4-HYDROXY-4-METHYLPIENT+	130000NJ* ug/kg		
4-Methylphenol	440U ug/kg	BENZO[B]NAPHTHO[2,3-D]+	1300NJ* ug/kg		
1,4-Dichlorobenzene	440U ug/kg	NAPHTHALENE, 1,6-DIMET+	1000NJ* ug/kg		
4-Chloroaniline	5700U ug/kg	9H-FLUOREN-9-ONE	3600NJ* ug/kg		
Phenol	440U ug/kg	NAPHTHALENE, 1-METHYL-+	860NJ* ug/kg		
bis(2-Chloroethyl)Ether	440U ug/kg	NAPHTHALENE, 1,8-DIMET+	1000NJ* ug/kg		
bis(2-Chloroethoxy)Met+	440U ug/kg	1-BUTENE, 2,3,3-TRIMET+	13000NJ* ug/kg		
BIS(2-ETHYLHEXYL) PHTH+	440U ug/kg	ANTHRACENE, 1-METHYL-	540NJ* ug/kg		

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352374

Description: SS06-1

Source: Sediment (General)

Begin Date: 92/08/26 12:30

B/N/Acid Scan	Sediment	B/N/Acid Scan	Sediment	Tent Ident - B/N/Aci	Sediment
	Result Units		*** Continued ***		*** Continued ***
Benzo(a)pyrene	120UJ ug/kg	Di-n-Octyl Phthalate	120U ug/kg	HEXANOIC ACID, THIO-, +	120NJ* ug/kg
2,4-Dinitrophenol	1600UJ ug/kg	Hexachlorobenzene	120U ug/kg	HEXANEDIOIC ACID, MONO+	2800NJ* ug/kg
Dibenzo(a,h)anthracene	310UJ ug/kg	Anthracene	120U ug/kg	ETHANONE, 1-(3,3-DIMET+	310NJ* ug/kg
Benzo(a)anthracene	120U ug/kg	1,2,4-Trichlorobenzene	120U ug/kg	CYCLOPENTENE, 1-ISOPRO+	630NJ* ug/kg
4-Chloro-3-Methylphenol	630UJ ug/kg	2,4-Dichlorophenol	120U ug/kg	UNKNOWN COMPOUND 1	2000000NJ* ug/kg
Benzoic acid	1600UJ ug/kg	2,4-Dinitrotoluene	310U ug/kg	UNKNOWN COMPOUND 2	320NJ* ug/kg
Hexachloroethane	120U ug/kg	Pyrene	6J* ug/kg	UNKNOWN COMPOUND 3	390NJ* ug/kg
Hexachlorocyclopentadi+	630UJ ug/kg	Dimethylphthalate	120U ug/kg	UNKNOWN COMPOUND 4	560NJ* ug/kg
Isophorone	83J* ug/kg	Dibenzofuran	11NJ* ug/kg	UNKNOWN COMPOUND 5	460NJ* ug/kg
Acenaphthene	120U ug/kg	Benzo(ghi)perylene	120UJ ug/kg	UNKNOWN COMPOUND 6	340NJ* ug/kg
Diethylphthalate	120U ug/kg	Indeno(1,2,3-cd)pyrene	120UJ ug/kg	UNKNOWN COMPOUND 7	480NJ* ug/kg
Di-n-Butylphthalate	120U ug/kg	Benzo(b)fluoranthene	120UJ ug/kg	UNKNOWN COMPOUND 8	1100NJ* ug/kg
Phenanthrene	18J* ug/kg	Fluoranthene	120U ug/kg	UNKNOWN COMPOUND 9	990NJ* ug/kg
Butylbenzylphthalate	310U ug/kg	Benzo(k)fluoranthene	120UJ ug/kg	UNKNOWN COMPOUND 10	2700NJ* ug/kg
N-Nitrosodiphenylamine	1600UJ ug/kg	Acenaphthylene	120U ug/kg	UNKNOWN COMPOUND 11	660NJ* ug/kg
Fluorene	120U ug/kg	Chrysene	120U ug/kg	ETHANONE, 1-13-ETHYLOX+	2800NJ* ug/kg
Carbazole	630UJ ug/kg	Retene	120U ug/kg	ETHER, HEXYL ISOPROPYL	160NJ* ug/kg
Hexachlorobutadiene	310U ug/kg	4,6-Dinitro-2-methylph+	1600UJ ug/kg	1,3-DIOXANE, 2,4,6-TRI+	140NJ* ug/kg
Pentachlorophenol	630UJ ug/kg	1,3-Dichlorobenzene	120U ug/kg	1-HEXADECANOL	1100NJ* ug/kg
2,4,6-Trichlorophenol	310UJ ug/kg	2,6-Dinitrotoluene	310U ug/kg	1,3,2-DIOXABORINANE, 2+	110NJ* ug/kg
2-Nitroaniline	310U ug/kg	N-Nitroso-di-n-Propyla+	120U ug/kg	BUTANAMIDE, N-FORMYL-2+	380NJ* ug/kg
2-Nitrophenol	310U ug/kg	4-Chlorophenyl-phenyle+	120U ug/kg	3-EICOSENE, (E)- (9CI)	1400NJ* ug/kg
Naphthalene, 1-Methyl-	14NJ* ug/kg	BIS(2OCHLOROISOPROPYL)+	120U ug/kg	4-HEXADECEN-6-YNE, (E)-	320NJ* ug/kg
Naphthalene	18J* ug/kg	Surrog: 2-Fluorobiphen+	82 % Recov	N,N'-BIS(2-METHYL-2-NI+	120NJ* ug/kg
2-Methylnaphthalene	15J* ug/kg	Surrog: 2-Fluorophenol	63 % Recov		
2-Chloronaphthalene	120U ug/kg	Surrog: D14-Terphenyl	55 % Recov		
3,3'-Dichlorobenzidine	3100UJ ug/kg	PYRENE-D10 (SS)	50 % Recov		
2-Methylphenol	120UJ ug/kg	Surrog: D5-Nitrobenzene	84 % Recov		
1,2-Dichlorobenzene	120U ug/kg	Surrog: D5-Phenol	88 % Recov		
o-Chlorophenol (2-Chlo+	120UJ ug/kg				
2,4,5-Trichlorophenol	620UJ ug/kg				
Nitrobenzene	120UJ ug/kg				
3-Nitroaniline	1600UJ ug/kg				
4-Nitroaniline	1600UJ ug/kg				
4-Nitrophenol	1600UJ ug/kg				
Benzyl Alcohol	REJ ug/kg	CARYOPHYLLENE (VAN)	660NJ* ug/kg		
4-Bromophenyl-phenylet+	120U ug/kg	2-HEPTANOL ACETATE	2200NJ* ug/kg		
2,4-Dimethylphenol	120U ug/kg	2-PENTANONE, 4-METHOXY+	140NJ* ug/kg		
4-Methylphenol	120UJ ug/kg	BICYCLO[7.2.0]UNDEC-4-+	96NJ* ug/kg		
1,4-Dichlorobenzene	120U ug/kg	4-HYDROXY-4-METHYL PENT+	17000NJ* ug/kg		
4-Chloroaniline	1600UJ ug/kg	9,12,15-OCTADECATRIENO+	8200NJ* ug/kg		
Phenol	120UJ ug/kg	BUTANOIC ACID, 3-OXO-, +	1350NJ* ug/kg		
bis(2-Chloroethyl)Ether	120UJ ug/kg	1-BUTENE, 2,3,3-TRIMET+	3700NJ* ug/kg		
bis(2-Chloroethoxy)Met+	120UJ ug/kg	2,4-PENTANEDIONE, 3-ME+	360NJ* ug/kg		
BIS(2-ETHYLHEXYL) PHTH+	770UJ ug/kg	2-CYCLOHEXEN-1-ONE, 3,+	640NJ* ug/kg		

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352375

Description: SS06-2

Source: Sediment (General)

Begin Date: 92/08/26 12:30

B/N/Acid Scan	Sediment Result	Units	B/N/Acid Scan	*** Continued ***	Sediment Result	Units	Tent Ident - B/N/Aci	*** Continued ***	Sediment Result	Units
Benzo(a)pyrene	1600 *	ug/kg	Di-n-Octyl Phthalate	400U	ug/kg	HEXANEDIOIC ACID, MONO+	8900NJ*	ug/kg		
2,4-Dinitrophenol	5200UJ	ug/kg	Hexachlorobenzene	400UJ	ug/kg	CYCLOPENTENE, 1-ISOPRO+	760NJ*	ug/kg		
Dibenzo(a,h)anthracene	210NJ*	ug/kg	Anthracene	63J*	ug/kg	1,4-CYCLOOCTADIENE, (Z+	1100NJ*	ug/kg		
Benzo(a)anthracene	1500 *	ug/kg	1,2,4-Trichlorobenzene	2900 *	ug/kg	2-PROPANONE, 1-(3',5,5-+	180NJ*	ug/kg		
4-Chloro-3-Methylphenol	2100U	ug/kg	2,4-Dichlorophenol	400U	ug/kg	1,2-BENZENEDICARBOXYLI+	340NJ*	ug/kg		
Benzoic acid	5200UJ	ug/kg	2,4-Dinitrotoluene	1000UJ	ug/kg	1,3-DIOXOLANE-2-PROPAN+	5200NJ*	ug/kg		
Hexachloroethane	400U	ug/kg	Pyrene	3200 *	ug/kg	2-PHENYLNAPHTHALENE	200NJ*	ug/kg		
Hexachlorocyclopentadi+	2100UJ	ug/kg	Dimethylphthalate	400U	ug/kg	1,1'-BIPHENYL, 2,3,3',+	490NJ*	ug/kg		
Isophorone	3000 *	ug/kg	Dibenzofuran	51JN*	ug/kg	1,1'-BIPHENYL, 2,2',3,+	710NJ*	ug/kg		
Acenaphthene	400U	ug/kg	Benzo(ghi)perylene	1300 *	ug/kg	1,1'-BIPHENYL, 2,2',3,+	2600NJ*	ug/kg		
Diethylphthalate	400U	ug/kg	Indeno(1,2,3-cd)pyrene	1100 *	ug/kg	1,1'-BIPHENYL, 2,2',3,+	2500NJ*	ug/kg		
Di-n-Butylphthalate	400U	ug/kg	Benzo(b)fluoranthene	1800NJ*	ug/kg	1,1'-BIPHENYL, 2,2',3,+	1100NJ*	ug/kg		
Phenanthrene	680 *	ug/kg	Fluoranthene	2300 *	ug/kg	1,1'-BIPHENYL, 2,2',3,+	970NJ*	ug/kg		
Butylbenzylphthalate	1000U	ug/kg	Benzo(k)fluoranthene	670NJ*	ug/kg	1,1'-BIPHENYL, 2,2',3,+	2200NJ*	ug/kg		
N-Nitrosodiphenylamine	5200UJ	ug/kg	Acenaphthylene	37J*	ug/kg	1,1'-BIPHENYL, 2,2',3,+	3400NJ*	ug/kg		
Fluorene	400U	ug/kg	Chrysene	1700NJ*	ug/kg	1,1'-BIPHENYL, 2,2',3,+	930NJ*	ug/kg		
Carbazole	2100UJ	ug/kg	Retene	450JN*	ug/kg	2-HEPTANONE, 6-METHYL-	640NJ*	ug/kg		
Hexachlorobutadiene	1000U	ug/kg	4,6-Dinitro-2-methylph+	5200UJ	ug/kg	1,1'-BIPHENYL, 2,2',3,+	1200NJ*	ug/kg		
Pentachlorophenol	2100UJ	ug/kg	1,3-Dichlorobenzene	400U	ug/kg					
2,4,6-Trichlorophenol	1000UJ	ug/kg	2,6-Dinitrotoluene	1000U	ug/kg					
2-Nitroaniline	1000U	ug/kg	N-Nitroso-di-n-Propylat+	400U	ug/kg					
2-Nitrophenol	1000U	ug/kg	4-Chlorophenyl-phenyle+	400UJ	ug/kg					
Naphthalene, 1-Methyl-	190J*	ug/kg	BIS(20CHLOROISOPROPYL)+	400U	ug/kg					
Naphthalene	190J*	ug/kg	Surrog: 2-Fluorobiphen+	100	% Recov					
2-Methylnaphthalene	250J*	ug/kg	Surrog: 2-Fluorophenol	33	% Recov					
2-Chloronaphthalene	400U	ug/kg	Surrog: D14-Terphenyl	100	% Recov					
3,3'-Dichlorobenzidine	10000U	ug/kg	PYRENE-D10 (SS)	105	% Recov					
2-Methylphenol	400U	ug/kg	Surrog: D5-Nitrobenzene	76	% Recov					
1,2-Dichlorobenzene	400U	ug/kg	Surrog: D5-Phenol	63	% Recov					
o-Chlorophenol (2-Chlo+	400U	ug/kg								
2,4,5-Trichlorophenol	2000UJ	ug/kg								
Nitrobenzene	400U	ug/kg								
3-Nitroaniline	5200UJ	ug/kg								
4-Nitroaniline	5200UJ	ug/kg								
4-Nitrophenol	5200UJ	ug/kg								
Benzyl Alcohol	2100UJ	ug/kg	2-PENTANONE, 4-METHOXY+	4200NJ*	ug/kg					
4-Bromophenyl-phenylet+	400U	ug/kg	1,3,5-Trichlorobenzene	460NJ*	ug/kg					
2,4-Dimethylphenol	400U	ug/kg	4-HYDROXY-4-METHYLPIENT+	33000NJ*	ug/kg					
4-Methylphenol	400U	ug/kg	3-PENTEN-2-ONE, 4-METH+	75000NJ*	ug/kg					
1,4-Dichlorobenzene	400U	ug/kg	BENZO[GHI]FLUORANTHENE	820NJ*	ug/kg					
4-Chloroaniline	5200U	ug/kg	BENZO[J]FLUORANTHENE	1700NJ*	ug/kg					
Phenol	400U	ug/kg	2,5-HEPTADIEN-4-ONE, 2+	1300NJ*	ug/kg					
bis(2-Chloroethyl)Ether	400U	ug/kg	ANTHRACENE, 2-METHYL-	220NJ*	ug/kg					
bis(2-Chloroethoxy)Met+	400U	ug/kg	1,2,3,5-TETRACHLOROBEN+	710NJ*	ug/kg					
BIS(2-ETHYLHEXYL) PHTH+	400U	ug/kg	2,4-PENTANEDIONE, 3-(2+	170NJ*	ug/kg					

(Sample Complete)

24-NOV-92
13:15:56EPA Region X Lab Management System
Sample/Project Analysis Results

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Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352376

Description: SS07-1

Source: Sediment (General)

Begin Date: 92/08/26 12:10

B/N/Acid Scan	Sediment	B/N/Acid Scan	Sediment	Tent Ident - B/N/Aci	Sediment
	Result Units	*** Continued ***	Result Units	*** Continued ***	Result Units
Benzo(a)pyrene	120U ug/kg	Di-n-Octyl Phthalate	120UJ ug/kg	UNKNOWN HYDROCARBON 4	1400NJ* ug/kg
2,4-Dinitrophenol	REJ ug/kg	Hexachlorobenzene	120UJ ug/kg	UNKNOWN HYDROCARBON 5	1900NJ* ug/kg
Dibenzo(a,h)anthracene	300U ug/kg	Anthracene	9J* ug/kg	UNKNOWN HYDROCARBON 6	1700NJ* ug/kg
Benzo(a)anthracene	120U ug/kg	1,2,4-Trichlorobenzene	120U ug/kg	UNKNOWN COMPOUND 1	220NJ* ug/kg
4-Chloro-3-Methylphenol	REJ ug/kg	2,4-Dichlorophenol	REJ ug/kg	UNKNOWN COMPOUND 2	64NJ* ug/kg
Benzoic acid	REJ ug/kg	2,4-Dinitrotoluene	300U ug/kg	UNKNOWN COMPOUND 3	460NJ* ug/kg
Hexachloroethane	120U ug/kg	Pyrene	43J* ug/kg	UNKNOWN COMPOUND 4	410NJ* ug/kg
Hexachlorocyclopentadi+	600UJ ug/kg	Dimethylphthalate	120U ug/kg	UNKNOWN COMPOUND 5	82NJ* ug/kg
Isophorone	5J* ug/kg	Dibenzofuran	21J* ug/kg	UNKNOWN COMPOUND 6	640NJ* ug/kg
Acenaphthene	120U ug/kg	Benzo(ghi)perylene	66J* ug/kg	UNKNOWN COMPOUND 7	1000NJ* ug/kg
Diethylphthalate	300U ug/kg	Indeno(1,2,3-cd)pyrene	52J* ug/kg	UNKNOWN COMPOUND 8	1200NJ* ug/kg
Di-n-Butylphthalate	810U ug/kg	Benzo(b)fluoranthene	79J* ug/kg	UNKNOWN COMPOUND 9	120NJ* ug/kg
Phenanthrone	65J* ug/kg	Fluoranthene	45J* ug/kg	UNKNOWN COMPOUND 10	190NJ* ug/kg
Butylbenzylphthalate	310U ug/kg	Benzo(k)fluoranthene	120UJ ug/kg	UNKNOWN COMPOUND 11	700NJ* ug/kg
N-Nitrosodiphenylamine	1500UJ ug/kg	Acenaphthylene	120U ug/kg	UNKNOWN COMPOUND 12	2100NJ* ug/kg
Fluorene	120U ug/kg	Chrysene	120U ug/kg	2-HEXANONE, 6-BROMO-	580NJ* ug/kg
Carbazole	600UJ ug/kg	Retene	28J* ug/kg	ETHANONE, 1-13-ETHYLOX+	620NJ* ug/kg
Hexachlorobutadiene	300U ug/kg	4,6-Dinitro-2-methylph+	REJ ug/kg	1,2-BENZENEDICARBOXYLI+	340NJ* ug/kg
Pentachlorophenol	REJ ug/kg	1,3-Dichlorobenzene	120U ug/kg	1,3-DIOXOLANE-2-PROPAN+	1300NJ* ug/kg
2,4,6-Trichlorophenol	REJ ug/kg	2,6-Dinitrotoluene	300U ug/kg	1-HEXADECANOL	2400NJ* ug/kg
2-Nitroaniline	300U ug/kg	N-Nitroso-di-n-Propyla+	120UJ ug/kg	PROPANOIC ACID, 2-METH+	110NJ* ug/kg
2-Nitrophenol	REJ ug/kg	4-Chlorophenyl-phenyle+	120U ug/kg	1,E-4,Z-8-DODECATRIENE	75NJ* ug/kg
Naphthalene, 1-Methyl-	17J* ug/kg	BIS(20CHLOROISOPROPYL)+	120UJ ug/kg		
Naphthalene	45J* ug/kg	Surrog: 2-Fluorobiphen+	83 % Recov		
2-Methylnaphthalene	22J* ug/kg	Surrog: 2-Fluorophenol	17 % Recov		
2-Chloronaphthalene	120U ug/kg	Surrog: D14-Terphenyl	91 % Recov		
3,3'-Dichlorobenzidine	3000U ug/kg	PYRENE-D10 (SS)	90 % Recov		
2-Methylphenol	REJ ug/kg	Surrog: D5-Nitrobenzene	59 % Recov		
1,2-Dichlorobenzene	120U ug/kg	Surrog: D5-Phenol	8 % Recov		
o-Chlorophenol (2-Chlo+	REJ ug/kg				
2,4,5-Trichlorophenol	REJ ug/kg				
Nitrobenzene	120U ug/kg				
3-Nitroaniline	1500UJ ug/kg				
4-Nitroaniline	1500U ug/kg				
4-Nitrophenol	REJ ug/kg				
Benzyl Alcohol	600U ug/kg	ETHANE, 1,1,2,2-TETRAC+	600NJ* ug/kg		
4-Bromophenyl-phenylet+	120UJ ug/kg	CARYOPHYLLENE (VAN)	220NJ* ug/kg		
2,4-Dimethylphenol	REJ ug/kg	4-HYDROXY-4-METHYLPHENT+	6800NJ* ug/kg		
4-Methylphenol	REJ ug/kg	9,12,15-OCTADECATRIENO+	2000NJ* ug/kg		
1,4-Dichlorobenzene	120U ug/kg	1-BUTENE, 2,3,3-TRIMET+	930NJ* ug/kg		
4-Chloroaniline	1500U ug/kg	1-DOCOSANOL	2800NJ* ug/kg		
Phenol	REJ ug/kg	2-HEXANONE, 6-(ACETYLO+	1200NJ* ug/kg		
bis(2-Chloroethyl)Ether	120U ug/kg	UNKNOWN HYDROCARBON 1	210NJ* ug/kg		
bis(2-Chloroethoxy)Met+	120U ug/kg	UNKNOWN HYDROCARBON 2	170NJ* ug/kg		
BIS(2-ETHYLHEXYL) PHTH+	1700U ug/kg	UNKNOWN HYDROCARBON 3	1200NJ* ug/kg		

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352377

Description: SS07-2

Source: Sediment (General)

Begin Date: 92/08/26 12:10

B/N/Acid Scan	Sediment	B/N/Acid Scan	Sediment	Tent Ident	B/N/Aci	Sediment	
	Result	Units		*** Continued ***		*** Continued ***	
				Result	Units	Result	Units
Benzo(a)pyrene	91J*	ug/kg	Di-n-Octyl Phthalate	400U	ug/kg	NAPHTHALENE, 1,5-DIMET+	610NJ* ug/kg
2,4-Dinitrophenol	5200UJ	ug/kg	Hexachlorobenzene	400U	ug/kg	1-BUTENE, 2,3,3-TRIMET+	2200NJ* ug/kg
Dibenzo(a,h)anthracene	1000U	ug/kg	Anthracene	220J*	ug/kg	ANTHRACENE, 2-METHYL-	500NJ* ug/kg
Benzo(a)anthracene	270J*	ug/kg	1,2,4-Trichlorobenzene	400U	ug/kg	2-HEXANONE, 6-(ACETYLO+	1400NJ* ug/kg
4-Chloro-3-Methylphenol	2100U	ug/kg	2,4-Dichlorophenol	400U	ug/kg	CYCLOPENTA(DEF)PHENANT+	760NJ* ug/kg
Benzoic acid	5200UJ	ug/kg	2,4-Dinitrotoluene	1000U	ug/kg	UNKNOWN HYDROCARBON 1	1700NJ* ug/kg
Hexachloroethane	400U	ug/kg	Pyrene	850 *	ug/kg	UNKNOWN HYDROCARBON 2	1600NJ* ug/kg
Hexachlorocyclopentadi+	2100UJ	ug/kg	Dimethylphthalate	400U	ug/kg	UNKNOWN HYDROCARBON 3	2400NJ* ug/kg
Isophorone	820J*	ug/kg	Dibenzofuran	2500 *	ug/kg	UNKNOWN HYDROCARBON 4	3400NJ* ug/kg
Acenaphthene	91NJ*	ug/kg	Benzo(ghi)perylene	400U	ug/kg	UNKNOWN COMPOUND 1	560NJ* ug/kg
Diethylphthalate	400U	ug/kg	Indeno(1,2,3-cd)pyrene	170J*	ug/kg	UNKNOWN COMPOUND 2	1000NJ* ug/kg
Di-n-Butylphthalate	400U	ug/kg	Benzo(b)fluoranthene	760 *	ug/kg	UNKNOWN COMPOUND 3	330NJ* ug/kg
Phenanthrone	4300U	ug/kg	Fluoranthene	1700 *	ug/kg	UNKNOWN COMPOUND 4	140NJ* ug/kg
Butylbenzylphthalate	1000U	ug/kg	Benzo(k)fluoranthene	210J*	ug/kg	2-HEXANONE, 6-BROMO-	600NJ* ug/kg
N-Nitrosodiphenylamine	84NJ*	ug/kg	Acenaphthylene	24J*	ug/kg	ETHANONE, 1-13-ETHYLOX+	1060NJ* ug/kg
Fluorene	31NJ*	ug/kg	Chrysene	670 *	ug/kg	1,3-DIOXOLANE-2-PROPAN+	4300NJ* ug/kg
Carbazole	130J*	ug/kg	Retene	1100 *	ug/kg	NAPHTHALENE, 7-BUTYL-1+	460NJ* ug/kg
Hexachlorobutadiene	1000U	ug/kg	4,6-Dinitro-2-methylph+	5200UJ	ug/kg	2,6-DIMETHYL-6-NITRO-2+	590NJ* ug/kg
Pentachlorophenol	2100U	ug/kg	1,3-Dichlorobenzene	400U	ug/kg		
2,4,6-Trichlorophenol	1000U	ug/kg	2,6-Dinitrotoluene	1000U	ug/kg		
2-Nitroaniline	1000U	ug/kg	N-Nitroso-di-n-Propyla+	400UJ	ug/kg		
2-Nitrophenol	1000U	ug/kg	4-Chlorophenyl-phenyle+	400U	ug/kg		
Naphthalene, 1-Methyl-	1800 *	ug/kg	BIS(20CHLOROISOPROPYL)+	400UJ	ug/kg		
Naphthalene	4400 *	ug/kg	Surrog: 2-Fluorobiphen+	106	% Recov		
2-Methylnaphthalene	2200 *	ug/kg	Surrog: 2-Fluorophenol	38	% Recov		
2-Chloronaphthalene	400U	ug/kg	Surrog: Di4-Terphenyl	109	% Recov		
3,3'-Dichlorobenzidine	10000U	ug/kg	PYRENE-D10 (SS)	81	% Recov		
2-Methylphenol	400U	ug/kg	Surrog: D5-Nitrobenzene	76	% Recov		
1,2-Dichlorobenzene	400U	ug/kg	Surrog: D5-Phenol	62	% Recov		
o-Chlorophenol (2-Chlo+	400U	ug/kg					
2,4,5-Trichlorophenol	2000U	ug/kg					
Nitrobenzene	400U	ug/kg					
3-Nitroaniline	5200UJ	ug/kg					
4-Nitroaniline	5200UJ	ug/kg					
4-Nitrophenol	5200UJ	ug/kg					
Benzyl Alcohol	2100U	ug/kg					
4-Bromophenyl-phenylet+	400U	ug/kg					
2,4-Dimethylphenol	400U	ug/kg					
4-Methylphenol	400U	ug/kg					
1,4-Dichlorobenzene	400U	ug/kg					
4-Chloroaniline	5200U	ug/kg					
Phenol	400U	ug/kg					
bis(2-Chloroethyl)Ether	400U	ug/kg					
bis(2-Chloroethoxy)Met+	400U	ug/kg					
BIS(2-ETHYLHEXYL) PHTH+	2300U	ug/kg					

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Blank ID: BS2246

B/N/Acid Scan		Sediment		B/N/Acid Scan		Sediment	
Blank #1		Result	Units	*** Continued ***		Result	Units
		Blank #1					
Benzo(a)pyrene	99U ug/kg			Di-n-Octyl Phthalate	3J* ug/kg		
2,4-Dinitrophenol	1300UJ ug/kg			Hexachlorobenzene	99UJ ug/kg		
Dibenzo(a,h)anthracene	250U ug/kg			Anthracene	99U ug/kg		
Benzo(a)anthracene	99U ug/kg			1,2,4-Trichlorobenzene	99U ug/kg		
4-Chloro-3-Methylphenol	510U ug/kg			2,4-Dichlorophenol	99U ug/kg		
Benzoic acid	1300UJ ug/kg			2,4-Dinitrotoluene	250U ug/kg		
Hexachloroethane	99U ug/kg			Pyrene	9J* ug/kg		
Hexachlorocyclopentadi+	510UJ ug/kg			Dimethylphthalate	99U ug/kg		
Isophorone	99U ug/kg			Dibenzofuran	99U ug/kg		
Acenaphthene	99U ug/kg			Benzo(ghi)perylene	99U ug/kg		
Diethylphthalate	99U ug/kg			Indeno(1,2,3-cd)pyrene	99U ug/kg		
Di-n-Butylphthalate	26J* ug/kg			Benzo(b)fluoranthene	99U ug/kg		
Phenanthrone	6J* ug/kg			Fluoranthene	99U ug/kg		
Butylbenzylphthalate	250U ug/kg			Benzo(k)fluoranthene	99U ug/kg		
N-Nitrosodiphenylamine	12J* ug/kg			Acenaphthylene	99U ug/kg		
Fluorene	99U ug/kg			Chrysene	99U ug/kg		
Carbazole	510UJ ug/kg			Retene	99U ug/kg		
Hexachlorobutadiene	250UJ ug/kg			4,6-Dinitro-2-methylph+	1300UJ ug/kg		
Pentachlorophenol	510U ug/kg			1,3-Dichlorobenzene	99U ug/kg		
2,4,6-Trichlorophenol	250UJ ug/kg			2,6-Dinitrotoluene	250U ug/kg		
2-Nitroaniline	250UJ ug/kg			N-Nitroso-di-n-Propylat+	99U ug/kg		
2-Nitrophenol	250U ug/kg			4-Chlorophenyl-phenyle+	99UJ ug/kg		
Naphthalene, 1-Methyl-	99U ug/kg			BIS(20CHLOROISOPROPYL)+	99U ug/kg		
Naphthalene	4J* ug/kg			Surrog: 2-Fluorobiphen+	66 % Recov		
2-Methylnaphthalene	99U ug/kg			Surrog: 2-Fluorophenol	14 % Recov		
2-Chloronaphthalene	99U ug/kg			Surrog: D14-Terphenyl	77 % Recov		
3,3'-Dichlorobenzidine	2500U ug/kg			PYRENE-D10 (SS)	42 % Recov		
2-Methylphenol	99U ug/kg			Surrog: D5-Nitrobenzene	54 % Recov		
1,2-Dichlorobenzene	99U ug/kg			Surrog: D5-Phenol	19 % Recov		
o-Chlorophenol (2-Chlo+	99U ug/kg						
2,4,5-Trichlorophenol	500UJ ug/kg						
Nitrobenzene	99U ug/kg						
3-Nitroaniline	1300UJ ug/kg						
4-Nitroaniline	1300U ug/kg						
4-Nitrophenol	1300U ug/kg						
Benzyl Alcohol	510UJ ug/kg						
4-Bromophenyl-phenyle+	99UJ ug/kg						
2,4-Dimethylphenol	99U ug/kg						
4-Methylphenol	99U ug/kg						
1,4-Dichlorobenzene	99U ug/kg						
4-Chloroaniline	1300U ug/kg						
Phenol	99U ug/kg						
bis(2-Chloroethyl)Ether	99U ug/kg						
bis(2-Chloroethoxy)Met+	99U ug/kg						
BIS(2-ETHYLHEXYL) PHTH+	54J* ug/kg						

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Blank ID: BS2246D

B/N/Acid Scan	Sediment		B/N/Acid Scan	Sediment	
Blank #2	Result	Units	*** Continued ***	Result	Units
Benzo(a)pyrene	99U	ug/kg	Di-n-Octyl Phthalate	99UJ	ug/kg
2,4-Dinitrophenol	1300UJ	ug/kg	Hexachlorobenzene	99UJ	ug/kg
Dibenzo(a,h)anthracene	250U	ug/kg	Anthracene	99U	ug/kg
Benzo(a)anthracene	99U	ug/kg	1,2,4-Trichlorobenzene	99U	ug/kg
4-Chloro-3-Methylphenol	510U	ug/kg	2,4-Dichlorophenol	99U	ug/kg
Benzoic acid	1300UJ	ug/kg	2,4-Dinitrotoluene	250U	ug/kg
Hexachloroethane	99U	ug/kg	Pyrene	99U	ug/kg
Hexachlorocyclopentadi+	510UJ	ug/kg	Dimethylphthalate	99U	ug/kg
Iso phorone	150U	ug/kg	Dibenzofuran	99U	ug/kg
Acenaphthene	99U	ug/kg	Benzo(ghi)perylene	99U	ug/kg
Diethylphthalate	99U	ug/kg	Indeno(1,2,3-cd)pyrene	99U	ug/kg
Di-n-Butylphthalate	55J*	ug/kg	Benzo(b)fluoranthene	99U	ug/kg
Phenanthren	8J*	ug/kg	Fluoranthene	4J*	ug/kg
Butylbenzylphthalate	250U	ug/kg	Benzo(k)fluoranthene	99U	ug/kg
N-Nitrosodiphenylamine	1300UJ	ug/kg	Acenaphthylene	99U	ug/kg
Fluorene	99U	ug/kg	Chrysene	99U	ug/kg
Carbazole	510UJ	ug/kg	Retene	99U	ug/kg
Hexachlorobutadiene	250UJ	ug/kg	4,6-Dinitro-2-methylph+	1300UJ	ug/kg
Pentachlorophenol	510U	ug/kg	1,3-Dichlorobenzene	99U	ug/kg
2,4,6-Trichlorophenol	250UJ	ug/kg	2,6-Dinitrotoluene	250U	ug/kg
2-Nitroaniline	250UJ	ug/kg	N-Nitroso-di-n-Propyl-	99U	ug/kg
2-Nitrophenol	250U	ug/kg	4-Chlorophenyl-phenyle+	99UJ	ug/kg
Naphthalene, 1-Methyl-	99U	ug/kg	BIS(2OCHLOROISOPROPYL)+	99U	ug/kg
Naphthalene	6J*	ug/kg	Surrog: 2-Fluorobiphen+	60	% Recov
2-Methylnaphthalene	99U	ug/kg	Surrog: 2-Fluorophenol	12	% Recov
2-Chloronaphthalene	99U	ug/kg	Surrog: D14-Terphenyl	78	% Recov
3,3'-Dichlorobenzidine	2500U	ug/kg	PYRENE-D10 (SS)	75	% Recov
2-Methylphenol	99U	ug/kg	Surrog: DS-Nitrobenzene	52	% Recov
1,2-Dichlorobenzene	99U	ug/kg	Surrog: DS-Phenol	18	% Recov
o-Chlorophenol (2-Chlo+	99U	ug/kg			
2,4,5-Trichlorophenol	500UJ	ug/kg			
Nitrobenzene	99U	ug/kg			
3-Nitroaniline	1300UJ	ug/kg	Tent Ident - B/N/Aci	Sediment	
4-Nitroaniline	1300U	ug/kg	Blank #2	Result	Units
4-Nitrophenol	1300U	ug/kg			
Benzyl Alcohol	510UJ	ug/kg	UNKNOWN COMPOUND	420NJ*	ug/kg
4-Bromophenyl-phenyle+	99UJ	ug/kg	ETHANE, 1,1,2,2-TETRAC+	110NJ*	ug/kg
2,4-Dimethylphenol	99U	ug/kg	4-HYDROXY-4-METHYL PENT+	4500NJ*	ug/kg
4-Methylphenol	99U	ug/kg	3-PENTEN-2-ONE, 4-METH+	6600NJ*	ug/kg
1,4-Dichlorobenzene	99U	ug/kg	2,5-HEPTADIEN-4-ONE, 2+	89NJ*	ug/kg
4-Chloroaniline	1300U	ug/kg	HEXANEDIOIC ACID, MONO+	66NJ*	ug/kg
Phenol	33J*	ug/kg	UNKNOWN COMPOUND 1	790NJ*	ug/kg
bis(2-Chloroethyl)Ether	99U	ug/kg	UNKNOWN COMPOUND 2	31NJ*	ug/kg
bis(2-Chloroethoxy)Met+	99U	ug/kg	1,3-DIOXOLANE-2-PROPAN+	350NJ*	ug/kg
BIS(2-ETHYLHEXYL) PHTH+	24J*	ug/kg			

(Sample Complete)

24-NOV-92
13:15:56

EPA Region X Lab Management System
Sample/Project Analysis Results

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Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Blank ID: BS2247

B/N/Acid Scan	Sediment	Result	Units	B/N/Acid Scan	Sediment	Result	Units
Blank #3	Blank #3			*** Continued ***			
Benzo(a)pyrene	120U	ug/kg		Di-n-Octyl Phthalate	59J*	ug/kg	
2,4-Dinitrophenol	1600UJ	ug/kg		Hexachlorobenzene	120U	ug/kg	
Dibenzo(a,h)anthracene	310U	ug/kg		Anthracene	120U	ug/kg	
Benzo(a)anthracene	120U	ug/kg		1,2,4-Trichlorobenzene	120U	ug/kg	
4-Chloro-3-Methylphenol	630UJ	ug/kg		2,4-Dichlorophenol	120U	ug/kg	
Benzoic acid	1600UJ	ug/kg		2,4-Dinitrotoluene	310U	ug/kg	
Hexachloroethane	120U	ug/kg		Pyrene	120U	ug/kg	
Hexachlorocyclopentadi+	630U	ug/kg		Dimethylphthalate	120U	ug/kg	
Isophorone	120U	ug/kg		Dibenzofuran	120U	ug/kg	
Acenaphthene	120U	ug/kg		Benzo(ghi)perylene	120UJ	ug/kg	
Diethylphthalate	6J*	ug/kg		Indeno(1,2,3-cd)pyrene	120U	ug/kg	
Di-n-Butylphthalate	270 *	ug/kg		Benzo(b)fluoranthene	120U	ug/kg	
Phenanthrene	120U	ug/kg		Fluoranthene	120U	ug/kg	
Butylbenzylphthalate	11J*	ug/kg		Benzo(k)fluoranthene	120U	ug/kg	
N-Nitrosodiphenylamine	1600U	ug/kg		Acenaphthylene	120U	ug/kg	
Fluorene	120U	ug/kg		Chrysene	120U	ug/kg	
Carbazole	630UJ	ug/kg		Retene	120U	ug/kg	
Hexachlorobutadiene	310U	ug/kg		4,6-Dinitro-2-methylph+	1600UJ	ug/kg	
Pentachlorophenol	630UJ	ug/kg		1,3-Dichlorobenzene	120U	ug/kg	
2,4,6-Trichlorophenol	310UJ	ug/kg		2,6-Dinitrotoluene	310U	ug/kg	
2-Nitroaniline	310U	ug/kg		N-Nitroso-di-n-Propyl-	120U	ug/kg	
2-Nitrophenol	310U	ug/kg		4-Chlorophenyl-phenyle+	120U	ug/kg	
Naphthalene, 1-Methyl-	120U	ug/kg		BIS(20CHLOROISOPROPYL)+	120U	ug/kg	
Naphthalene	120U	ug/kg		Surrog: 2-Fluorobiphen+	70	% Recov	
2-Methylnaphthalene	120U	ug/kg		Surrog: 2-Fluorophenol	49	% Recov	
2-Chloronaphthalene	120U	ug/kg		Surrog: D14-Terphenyl	81	% Recov	
3,3'-Dichlorobenzidine	3100UJ	ug/kg		PYRENE-D10 (SS)	66	% Recov	
2-Methylphenol	120UJ	ug/kg		Surrog: D5-Nitrobenzene	34	% Recov	
1,2-Dichlorobenzene	120U	ug/kg		Surrog: D5-Phenol	52	% Recov	
o-Chlorophenol (2-Chlo+	120UJ	ug/kg					
2,4,5-Trichlorophenol	620UJ	ug/kg					
Nitrobenzene	120UJ	ug/kg					
3-Nitroaniline	1600UJ	ug/kg		Tent Ident - B/N/Aci	Sediment		
4-Nitroaniline	1600U	ug/kg		Blank #3	Result	Units	
4-Nitrophenol	1600UJ	ug/kg		HEXANEDIOIC ACID, BIS(+	10000NJ*	ug/kg	
Benzyl Alcohol	REJ	ug/kg		Decanoic Acid, Methyl +	49NJ*	ug/kg	
4-Bromophenyl-phenylet+	120U	ug/kg		UNKNOWN COMPOUND 1	860NJ*	ug/kg	
2,4-Dimethylphenol	120U	ug/kg		UNKNOWN COMPOUND 2	490NJ*	ug/kg	
4-Methylphenol	120UJ	ug/kg		UNKNOWN COMPOUND 3	110NJ*	ug/kg	
1,4-Dichlorobenzene	120U	ug/kg		1,2-BENZENEDICARBOXYLI+	100NJ*	ug/kg	
4-Chloroaniline	1600U	ug/kg		1,2-BENZENEDICARBOXYLI+	2400NJ*	ug/kg	
Phenol	82J*	ug/kg					
bis(2-Chloroethyl)Ether	120U	ug/kg					
bis(2-Chloroethoxy)Met+	120U	ug/kg					
BIS(2-ETHYLHEXYL) PHTH+	820 *	ug/kg					

(Sample Complete)

24-NOV-92
13:15:56EPA Region X Lab Management System
Sample/Project Analysis Results

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Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Blank ID: BS2247D

B/N/Acid Scan	Sediment	B/N/Acid Scan	Sediment
Blank #4	Result Units	*** Continued ***	
		Blank #4	Result Units
Benzo(a)pyrene	120U ug/kg	Di-n-Octyl Phthalate	120UJ ug/kg
2,4-Dinitrophenol	1600UJ ug/kg	Hexachlorobenzene	120U ug/kg
Dibenzo(a,h)anthracene	310U ug/kg	Anthracene	120U ug/kg
Benzo(a)anthracene	120U ug/kg	1,2,4-Trichlorobenzene	120U ug/kg
4-Chloro-3-Methylphenol	630UJ ug/kg	2,4-Dichlorophenol	120U ug/kg
Benzoic acid	1600UJ ug/kg	2,4-Dinitrotoluene	310U ug/kg
Hexachloroethane	120U ug/kg	Pyrene	120U ug/kg
Hexachlorocyclopentadi+	630U ug/kg	Dimethylphthalate	120U ug/kg
Isophorone	120U ug/kg	Dibenzofuran	120U ug/kg
Acenaphthene	120U ug/kg	Benzo(ghi)perylene	120UJ ug/kg
Diethylphthalate	7J* ug/kg	Indeno(1,2,3-cd)pyrene	120U ug/kg
Di-n-Butylphthalate	910 * ug/kg	Benzo(b)fluoranthene	120U ug/kg
Phenanthrene	120U ug/kg	Fluoranthene	120U ug/kg
Butylbenzylphthalate	9J* ug/kg	Benzo(k)fluoranthene	120U ug/kg
N-Nitrosodiphenylamine	1600U ug/kg	Acenaphthylene	120U ug/kg
Fluorene	120U ug/kg	Chrysene	120U ug/kg
Carbazole	630UJ ug/kg	Retene	120U ug/kg
Hexachlorobutadiene	310U ug/kg	4,6-Dinitro-2-methylph+	1600UJ ug/kg
Pentachlorophenol	630UJ ug/kg	1,3-Dichlorobenzene	120U ug/kg
2,4,6-Trichlorophenol	310UJ ug/kg	2,6-Dinitrotoluene	310U ug/kg
2-Nitroaniline	310U ug/kg	N-Nitroso-di-n-Propylat+	120U ug/kg
2-Nitrophenol	310U ug/kg	4-Chlorophenyl-phenyle+	120U ug/kg
Naphthalene, 1-Methyl-	120U ug/kg	BIS(20CHLOROISOPROPYL)+	120U ug/kg
Naphthalene	120U ug/kg	Surrog: 2-Fluorobiphen+	54 % Recov
2-Methylnaphthalene	120U ug/kg	Surrog: 2-Fluorophenol	26 % Recov
2-Chloronaphthalene	120U ug/kg	Surrog: D14-Terphenyl	78 % Recov
3,3'-Dichlorobenzidine	3100UJ ug/kg	PYRENE-D10 (SS)	79 % Recov
2-Methylphenol	120UJ ug/kg	Surrog: D5-Nitrobenzene	62 % Recov
1,2-Dichlorobenzene	120U ug/kg	Surrog: D5-Phenol	32 % Recov
o-Chlorophenol (2-Chlo+	120UJ ug/kg		
2,4,5-Trichlorophenol	620UJ ug/kg		
Nitrobenzene	120UJ ug/kg		
3-Nitroaniline	1600UJ ug/kg	Tent Ident - B/N/Aci	Sediment
4-Nitroaniline	1600U ug/kg	Blank #4	Result Units
4-Nitrophenol	1600UJ ug/kg		
Benzyl Alcohol	REJ ug/kg	ETHANE, 1,1,2,2-TETRAC+	290NJ* ug/kg
4-Bromophenyl-phenyle+	120U ug/kg	HEXANEDIOIC ACID, BIS(+	1200NJ* ug/kg
2,4-Dimethylphenol	120U ug/kg	UNKNOWN COMPOUND 1	970NJ* ug/kg
4-Methylphenol	120UJ ug/kg	UNKNOWN COMPOUND 2	2800NJ* ug/kg
1,4-Dichlorobenzene	120U ug/kg	UNKNOWN COMPOUND 3	440NJ* ug/kg
4-Chloroaniline	1600U ug/kg	UNKNOWN COMPOUND 4	140NJ* ug/kg
Phenol	58J* ug/kg	UNKNOWN COMPOUND 5	82NJ* ug/kg
bis(2-Chloroethyl)Ether	120U ug/kg	1,2-BENZENEDICARBOXYLI+	280NJ* ug/kg
bis(2-Chloroethoxy)Met+	120U ug/kg		
BIS(2-ETHYLHEXYL) PHTH+	5200 * ug/kg		

(Sample Complete)